



- Energy efficient receivers
- Energy consumption control by smart submetering
- Fast transmitter assignments without the need to push LRN buttons
- "Real" acknowledges
- Integrated repeaters for cost savings
- Compatibility with the latest EnOcean standard
- KEMA certified product safety

## Easyclick<sup>pro</sup> RF system

### The new Easyclick generation

The bidirectional Easyclick flush-mounting/intermediate receivers can not only receive radio signals, but also transmit back their status every time it changes. Actual ON/OFF switched states can then be visualised on the Easyclick de luxe handheld transmitter\*. In addition to visualising the light and dimmer ON/OFF statuses, this device can also show the brightness value of the dimming receiver (0–100%) as well as the top and bottom positions of the shutter actuators. Moreover, it can visualise the window statuses OPEN/CLOSED/TILT. In addition to the bidirectional functions, the Easyclick receiver variants feature an integrated energy meter that can record the energy values of the connected consumer. The deluxe handheld transmitter\* can then visualise the momentary power consumption, the operating hours, and the overall electricity consumption.



D 452 FU-EBIM JR o.T.



D 451 FU-EBIM UP o.A.



D 451 FU-BEBI



Plug through receiver with energy meter

D 4511 FU-EBIM ST

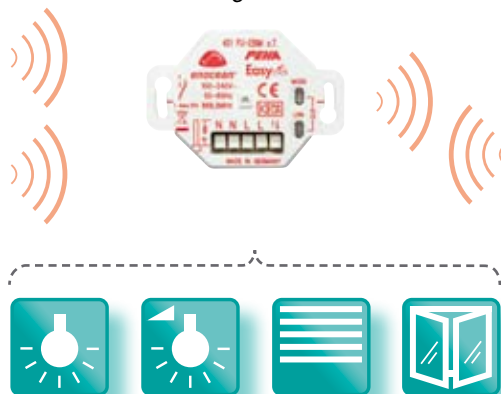
**NEW** Flush mounting receiver with optional energy meter

## Operating and functional principles with acknowledge functions



Wall mounted transmitters

Bidirectional flush mounting receiver



Easyclick de luxe handheld transmitter

The Easyclick de luxe handheld transmitter\* with acknowledge function is a user friendly remote control for both Easyclick and all other receivers based on EnOcean technology. The de luxe handheld transmitter\* features remote management that lets the user program other transmitters at a later date without the need to press the LRN button on the receiver. This saves time and eliminates complex installation work. In addition, the de luxe handheld transmitter\* generates a histogram of energy consumption values on an hourly or weekly basis.

\* Easyclick de luxe handheld transmitter D 450 FU-HS 128, firmware 2.0 or later

## Attributes and advantages

- Acknowledges from receivers: A radio signal is transmitted every time a status changes
- Smart Submetering: Easyclick receivers with integrated energy meter record the energy used by the connected consumer that is then displayed on the Easyclick de luxe handheld transmitter\*
- Time savings without complex installation work: The de luxe handheld transmitter\* features remote management that lets the user program other transmitters at a later date without the need to press the LRN button on the flush mounting receiver.
- Cost savings with boosted radio ranges: The receivers feature preinstalled repeater functions that can be activated when needed (Level 1 and Level 2)
- Compatibility: The new EnOcean standard protocols (EEP) make the receivers futureproof for reliable returns on investments
- Greater convenience and energy efficiency: A large number of functions and parameters can be selected e.g. for the remote switches: 2-key standard function, 1-key function, ON/

- OFF switch, stairwell functions with selectable OFF times and advance OFF warning, automatic OFF after selectable times, fan function with delayed ON and automatic OFF, four lighting scenes, window contacts, window handles, movement detector, and brightness sensor
- Product safety: All new Easyclick receivers have been certified under the PEHA standard KEMA
- Switched states and dimmer settings are displayed
- Range test (RadioLinkTest) between receiver (slave) and de luxe handheld transmitter\* (master) is possible in the installed state
- Optimised power supply and bistable relays minimise own power consumption (< 0.5 W)
- A function can be assigned individually to each programmed transmitter.
- Separate preassigned functions and parameters for simple sensor assignments when e.g. window contacts, window handles, and movement detectors are being programmed

## Example displays on the Easyclick de luxe handheld transmitter\*

### Bidirectional flush mounting receiver **without** energy meter



- Lighting ON/OFF
- Operating hours



- Shutter actuators, living room, position TOP/BOTTOM

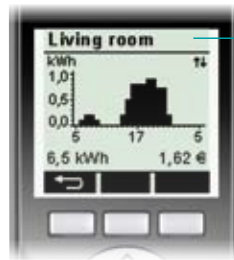


- Visualisation of window statuses OPEN/CLOSED/TILT

### Bidirectional flush mounting/intermediate receiver **with** energy meter



- Histogram of weekly energy consumption



- Histogram of hourly energy consumption



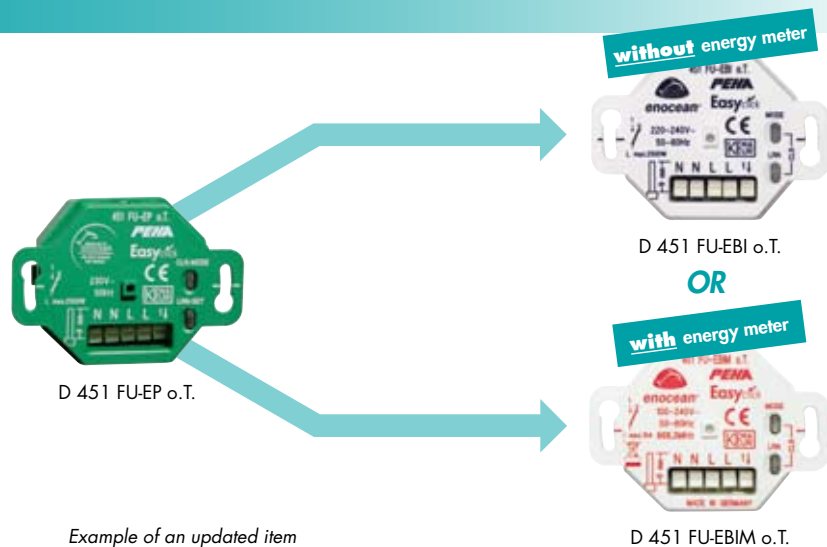
- Brightness value of dimmer  
Dimming receiver dimmed to 57%
- Current energy consumption
- Operating hours
- Total energy consumption

\* Easyclick de luxe handheld transmitter D 450 FU-HS 128, firmware 2.0 or later

## Easyclick RF system updates

The old Easyclick flush mounting receivers are now replaced with the new Easyclickpro generation – You can choose either the new bidirectional flush mounting receiver without energy meter or the new bidirectional flush mounting/plug through receiver with energy meter. You are then given greater flexibility, convenience, reliability, and cost effectiveness for all of your building needs!

The following lists the discontinued models together with the new Easyclick items.



Discontinued Easyclick articles	
Article no.	Code no.
D 451 FU-EP o.T.	00363113
D 451 FU-BEP	00363813
D 451 FU-EP PF o.T.	00353013
D 451 FU-EP UP o.A.	00348013
D 452 FU-EP o.T.	00363213
D 452 FU-EP JR o.T.	00363313
D 452/24 FU-EP JR o.T.	00323056
D 452/24 FU-EP MF o.T.	00361413
D 452 FU-EP JR UP o.A.	00348113
D 451 FU-BEP DAB Available by the end of 2014	00363913
D 451 FU-EP DAB UP o.A.	00348213

New bidirectional Easyclick articles		
Article no.	Article Designation	Code no.
D 451 FU-EBI o.T.	Easyclick flush mounting receiver, bidirectional, 1-channel <b>OR</b>	00364316
D 451 FU-EBIM o.T.	Easyclick flush mounting receiver, bidirectional, 1-channel <i>with energy meter</i>	00366536
D 451 FU-BEBI	Easyclick canopy receiver, bidirectional, 1-channel <b>OR</b>	00364376
D451 FU-BEBIM	Easyclick canopy receiver, bidirectional, 1-channel <i>with energy meter</i>	00366616
D 451 FU-EBI PF o.T.	Easyclick flush mounting receiver, bidirectional, 1-channel <i>with floating contact</i>	00364476
D 451 FU-EBI UP o.A.	Easyclick flush mounting receiver, bidirectional, with mounting plate, 1-channel <b>OR</b>	00364516
D 451 FU-EBIM UP o.A.	Easyclick flush mounting receiver, bidirectional, with mounting plate, 1-channel <i>with energy meter</i>	00366656
D 452 FU-EBI o.T.	Easyclick flush mounting receiver, bidirectional, 2-channel <b>OR</b>	00364336
D 452 FU-EBIM o.T.	Easyclick flush mounting receiver, bidirectional, 2-channel <i>with energy meter</i>	00366556
D 452 FU-EBI JR o.T.	Easyclick flush mounting JR receiver, bidirectional, 2-channel <b>OR</b>	00364356
D 452 FU-EBIM JR o.T.	Easyclick flush mounting JR receiver, bidirectional, 2-channel <i>with position detector</i>	00366576
D 452/24 FU-EBI JR o.T.	Easyclick flush mounting JR receiver, 24 Vdc, bidirectional, 2-channel	00364436
D 452/24 FU-EBI MF o.T.	Easyclick flush mounting multifunction receiver, 24 Vdc, bidirectional, 2-channel	00364456
D 452 FU-EBI JR UP o.A.	Easyclick flush mounting JR receiver, bidirectional, with mounting plate, 2-channel <b>OR</b>	00364536
D 452 FU-EBIM JR UP o.A.	Easyclick flush mounting JR receiver, bidirectional, with mounting plate, 2-channel <i>with position detector</i>	00366676
D 451 FU-BEBI LED	Easyclick LED dimming receiver, bidirectional, 1-channel <b>OR</b>	00364416
D 451 FU-BEBIM LED	Easyclick LED dimming receiver, bidirectional, 1-channel <i>with energy meter</i>	00366636
D 451 FU-EBI LED UP o.A.	Easyclick LED dimming receiver, bidirectional, with mounting plate, 1-channel <b>OR</b>	00364556
D 451 FU-EBIM LED UP o.A.	Easyclick LED dimming receiver, bidirectional, with mounting plate, 1-channel <i>with energy meter</i>	00366736

Discontinued Easyclick articles	
Article no.	Code no.
D 4511 FU-EP ST	00349113
D 4571 FU-EP ST	00349613
D 4571 FU-EP ST CH	00349713
D 4571 FU-EP ST GB	00349913
D 4511 FU-EP DAB ST	00349213
D 4571 FU-EP DAB ST	00345413
D 4571 FU-EP DAB ST CH	00345513
D 4571 FU-EP DAB ST GB	00345613
D 454 FU-E DE	00380113
D 941 FU C	00262717
D 940 FU C	00262217
D 482 FU-E	00348413
D 481 FU-E	00346513
D 4514 FU-TS ST	00349313
D 451 FU-E o.T.	00379813
D 453 FU-RP ST	00349013
D 453 FU-RPP o.T.	00379513
D 482 FU-BM DE	00348313





New bidirectional Easyclick articles		
Article no.	Article Designation	Code no.
➡ D 4511 FU-EBIM ST	Easyclick plug through switch, bidirectional, 1-channel <i>with energy meter</i> (SCHUKO®)	00364576
➡ D 4571 FU-EBIM ST BE	Easyclick plug through switch, bidirectional, 1-channel <i>with energy meter</i> – with nickel plated earthing pin	00364616
➡ D 4571 FU-EBIM ST CH	Easyclick plug through switch, bidirectional, 1-channel <i>with energy meter</i> – complying with Swiss SEV standards	00364636
➡ D 4571 FU-EBIM ST GB	Easyclick plug through switch, bidirectional, 1-channel <i>with energy meter</i> – complying with British standards	00364656
➡ D 4511 FU-EBIM LED ST	Easyclick plug through LED dimming receiver, bidirectional, 1-channel <i>with energy meter</i> (SCHUKO®)	00364676
➡ D 4571 FU-EBIM LED ST	Easyclick plug through LED dimming receiver, bidirectional, 1-channel <i>with energy meter</i> – with nickel plated earthing pin	00364716
➡ D 4571 FU-EBIM LED ST CH	Easyclick plug through LED dimming receiver, bidirectional, 1-channel <i>with energy meter</i> – complying with Swiss SEV standards	00364736
➡ D 4571 FU-EBIM LED ST GB	Easyclick plug through LED dimming receiver, bidirectional, 1-channel <i>with energy meter</i> – complying with British standards	00364756
➡ D 454 FU-EBIM DE	Easyclick ceiling receiver, bidirectional, 4-channel <i>with energy meter</i>	00366756
➡ D 941 FUC BI	Easyclick PHC interface, bidirectional	00263717
➡ D 452 FU-EBI o.T.	Easyclick flush mounting receiver, bidirectional, 2-channel	00364336
➡ D 451 FU-EBI o.T.	Easyclick flush mounting receiver, bidirectional, 1-channel	00364316
➡ D 450 FU-HS 128	Easyclick de luxe handheld transmitter, 128-channel	00364936
➡ D 451 FU-EBI o.T.	Easyclick flush mounting receiver, bidirectional, 1-channel	00364316
➡	This can be replaced with any of the above listed bidirectional receivers	
➡	This can be replaced with any of the above listed bidirectional receivers	
➡ D 451 FU-BM DE	Easyclick ceiling mounted movement detector	00317316
➡ D 451 FU-BM	Easyclick wall mounted movement detector	00317416

Article Designation	Colour	Packed	Article no.	Code no.	R
<p>Easyclick wall mounted transmitters are <b>batteryless and maintenance free</b>. Their pushed keys supply them with energy. The PEHA Easyclick RF system transmits on the European harmonised frequency of 868.3 MHz. This frequency may be used only by products that transmit solely 1% or 36 seconds per hour. This helps to reduce the risk of interference to a minimum. Modulation type: ASK (amplitude shift keying) The range between transmitter and receiver is about 30 m in a building when the signals pass through two masonry walls. Depending on the design, up to 32 transmitters can be programmed for one receiver. The device is screwed or glued to the wall, and can supplement an existing flush mounting combination without the need for a flush mounting socket.</p> <p><b>The RF systems Easyclick and House radio system are not compatible with each other!</b></p>					
<p><b>Easyclick wall mounted transmitter, 2-channel</b> w/o combination frame, rocker with neutral centre and printed I/O, H = 15 mm</p> <p>STANDARD</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	white pure white	1 1	D 80.450 FU-BLS w D 80.450.02 FU-BLS	00188613 00188713	6 6
<p><b>Easyclick wall mounted transmitter, 4-channel</b> w/o combination frame, double rockers with neutral centre and printed I/O, H = 15 mm</p> <p>STANDARD</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	white pure white	1 1	D 80.455 FU-BLS w D 80.455.02 FU-BLS	00189613 00189713	6 6
<p><b>Easyclick wall mounted transmitter, 2-channel, e.g. for one shutter</b> w/o combination frame, rocker with neutral centre and printed UP/DOWN, H = 15 mm</p> <p>STANDARD</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	white pure white	1 1	D 80.450 FU-BLS JR w D 80.450.02 FU-BLS JR	00200113 00200213	6 6
<p><b>Easyclick wall mounted transmitter, 4-channel, e.g. for two shutters</b> w/o combination frame, double rockers with neutral centre and printed UP/DOWN, H = 15 mm</p> <p>STANDARD</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	white pure white	1 1	D 80.455 FU-BLS JR w D 80.455.02 FU-BLS JR	00200313 00200413	6 6
<p><b>Easyclick wall mounted transmitter, neutral, 2-channel</b> w/o combination frame, rocker with centre, no print, H = 15 mm</p> <p>STANDARD</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	white pure white	1 1	D 80.450 FU-BLS N w D 80.450.02 FU-BLS N	00203913 00204013	6 6
<p><b>Easyclick wall mounted transmitter, neutral, 4-channel</b> w/o combination frame, double rockers with centre, no print, H = 15 mm</p> <p>STANDARD</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	white pure white	1 1	D 80.455 FU-BLS N w D 80.455.02 FU-BLS N	00204113 00204213	6 6

# Easyclick/EnOcean RF system






Article Designation	Colour	Packed	Article no.	Code no.	R	
 <p><b>Easyclick wall mounted transmitter, 2-channel</b> w/o combination frame, rocker with neutral centre and printed I/O, H = 18 mm, with 7 x 64 mm labelling area</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	DIALOG	pure white alu	1 1	D 95.450.02 FU-BLS D 95.450.70 FU-BLS	00372713 00372813	6 6
 <p><b>Easyclick wall mounted transmitter, 4-channel</b> w/o combination frame, double rockers with neutral centre and printed I/O, H = 18 mm, with 7 x 64 mm labelling area</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	DIALOG	pure white alu	1 1	D 95.455.02 FU-BLS D 95.455.70 FU-BLS	00378813 00378913	6 6
 <p><b>Easyclick wall mounted transmitter, 2-channel, e.g. for one shutter</b> w/o combination frame, rocker with neutral centre and printed UP/DOWN, H = 18 mm, with 7 x 64 mm labelling area</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	DIALOG	pure white alu	1 1	D 95.450.02 FU-BLS JR D 95.450.70 FU-BLS JR	00372913 00373013	6 6
 <p><b>Easyclick wall mounted transmitter, 4-channel, e.g. for two shutters</b> w/o combination frame, double rockers with neutral centre and printed UP/DOWN, H = 18 mm, with 7 x 64 mm labelling area</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	DIALOG	pure white alu	1 1	D 95.455.02 FU-BLS JR D 95.455.70 FU-BLS JR	00379013 00379113	6 6
 <p><b>Easyclick wall mounted transmitter, 2-channel</b> w/o combination frame, rocker with neutral centre and printed I/O, H = 15 mm</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	AURA	pure white anthracite alu	1 1 1	D 20.450.02 FU-BLS D 20.450.21 FU-BLS D 20.450.70 FU-BLS	00384413 00384513 00384613	6 6 6
	NOVA brilliance	pure white Piano black alu	1 1 1	D 20.450.022 FU-BLS D 20.450.192 FU-BLS D 20.450.702 FU-BLS	00030113 00045113 00060113	6 6 6
 <p><b>Easyclick wall mounted transmitter, 4-channel</b> w/o combination frame, double rockers with neutral centre and printed I/O, H = 15 mm</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	AURA	pure white anthracite alu	1 1 1	D 20.455.02 FU-BLS D 20.455.21 FU-BLS D 20.455.70 FU-BLS	00385713 00385813 00385913	6 6 6
	NOVA brilliance	pure white Piano black alu	1 1 1	D 20.455.022 FU-BLS D 20.455.192 FU-BLS D 20.455.702 FU-BLS	00030413 00045413 00060413	6 6 6
 <p><b>Easyclick wall mounted transmitter, 2-channel, e.g. for one shutter</b> w/o combination frame, rocker with neutral centre and printed UP/DOWN, H = 15 mm</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	AURA	pure white anthracite alu	1 1 1	D 20.450.02 FU-BLS JR D 20.450.21 FU-BLS JR D 20.450.70 FU-BLS JR	00384713 00384813 00384913	6 6 6
	NOVA brilliance	pure white Piano black alu	1 1 1	D 20.450.022 FU-BLS JR D 20.450.192 FU-BLS JR D 20.450.702 FU-BLS JR	00030213 00045213 00060213	6 6 6

Article Designation	Colour	Packed	Article no.	Code no.	R				
<b>Easyclick wall mounted transmitter, 4-channel, e.g. for two shutters</b> w/o combination frame, double rockers with neutral centre and printed UP/DOWN, H = 15 mm  See 2013 PEHA catalogue or later for combination frames.	AURA	pure white	1	D 20.455.02 FU-BLS JR	00386013	6			
		anthracite	1	D 20.455.21 FU-BLS JR	00386113	6			
		alu	1	D 20.455.70 FU-BLS JR	00386313	6			
	NOVA brilliance	pure white	1	D 20.455.022 FU-BLS JR	00030513	6			
		Piano black	1	D 20.455.192 FU-BLS JR	00045513	6			
		alu	1	D 20.455.702 FU-BLS JR	00060513	6			
	<b>Easyclick wall mounted transmitter, neutral, 2-channel</b> w/o combination frame, rocker with centre, no print, H = 15 mm  See 2013 PEHA catalogue or later for combination frames.	AURA	pure white	1	D 20.450.02 FU-BLS N	00130113		6	
			anthracite	1	D 20.450.21 FU-BLS N	00130213		6	
			alu	1	D 20.450.70 FU-BLS N	00130313		6	
NOVA brilliance		pure white	1	D 20.450.022 FU-BLS N	00030313	6			
		Piano black	1	D 20.450.192 FU-BLS N	00045313	6			
		alu	1	D 20.450.702 FU-BLS N	00060313	6			
<b>Easyclick wall mounted transmitter, neutral, 4-channel</b> w/o combination frame, double rockers with centre, no print, H = 15 mm  See 2013 PEHA catalogue or later for combination frames.		AURA	pure white	1	D 20.455.02 FU-BLS N	00135113	6		
			anthracite	1	D 20.455.21 FU-BLS N	00135213	6		
			alu	1	D 20.455.70 FU-BLS N	00135313	6		
	NOVA brilliance	pure white	1	D 20.455.022 FU-BLS N	00030613	6			
		Piano black	1	D 20.455.192 FU-BLS N	00045613	6			
		alu	1	D 20.455.702 FU-BLS N	00060613	6			
	<b>Easyclick intermediate frame, green afterglow,</b> for retrofits and easy replacements on AURA Easyclick wall mounted transmitters. Afterglow light crystals (free of any radioactivity) are charged by the surrounding light and release the gathered energy in the dark as a light source. The best effect is achieved with short wave light (ideally sunlight or light with a high UV percentage). Reference value: When illuminated for 20 min with a 400 lux lamp (medium strong light of standard light type D65 similar to daylight), the afterglow after 12 hours is brighter than the DIN visibility margin of 0,3 mCd/m <sup>2</sup> .  As above, for Easyfit universal wall mounted transmitters	yellow/green	1	D 20.450.56	00130013	6			
		yellow/green	1	D 450.56	00324613	6			

### Easyfit universal wall mounted receiver

The Easyfit universal wall mounted receivers with internal measurements 55 x 55 mm fit in all combination frames from the usual switch manufacturers.

<b>Easyfit universal wall mounted transmitter, 2-channel</b> for combination frame with internal measurements 55 x 55 mm, rocker with neutral centre and printed I/O, H = 15 mm	pure white	1	D 450.02 FU-BLS	00320213	6	
	anthracite	1	D 450.21 FU-BLS	00321613	6	
	alu	1	D 450.70 FU-BLS	00323013	6	
	pure white high gloss	1	D 450.022 FU-BLS	00323413	6	
	anthracite high gloss	1	D 450.212 FU-BLS	00324013	6	
<b>Easyfit universal wall mounted transmitter, 4-channel</b> for combination frame with internal measurements 55 x 55 mm, double rockers with neutral centre and printed I/O, H = 15 mm	pure white	1	D 455.02 FU-BLS	00320513	6	
	anthracite	1	D 455.21 FU-BLS	00321813	6	
	alu	1	D 455.70 FU-BLS	00323213	6	
	pure white high gloss	1	D 455.022 FU-BLS	00323713	6	
	anthracite high gloss	1	D 455.212 FU-BLS	00324313	6	
<b>Easyfit universal wall mounted transmitter, 2-channel, e.g. for one shutter</b> for combination frame with internal measurements 55 x 55 mm, rocker with neutral centre and printed UP/DOWN, H = 15 mm	pure white	1	D 450.02 FU-BLS JR	00320313	6	
	anthracite	1	D 450.21 FU-BLS JR	00321713	6	
	alu	1	D 450.70 FU-BLS JR	00323113	6	
	pure white high gloss	1	D 450.022 FU-BLS JR	00323513	6	
	anthracite high gloss	1	D 450.212 FU-BLS JR	00324113	6	

# Easyclick/EnOcean RF system






Article Designation	Colour	Packed	Article no.	Code no.	R
 <p><b>Easyfit universal wall mounted transmitter, 4-channel, e.g. for two shutters</b> for combination frame with internal measurements 55 x 55 mm, double rockers with neutral centre and printed UP/DOWN, H = 15 mm</p>	pure white	1	D 455.02 FU-BLS JR	00320613	6
	anthracite	1	D 455.21 FU-BLS JR	00321913	6
	alu	1	D 455.70 FU-BLS JR	00323313	6
	pure white high gloss	1	D 455.022 FU-BLS JR	00323813	6
	anthracite high gloss	1	D 455.212 FU-BLS JR	00324413	6
 <p><b>Easyfit universal wall mounted transmitter, 2-channel</b> for combination frame with internal measurements 55 x 55 mm, rocker with neutral centre, no print, H = 15 mm</p>	pure white	1	D 450.02 FU-BLS N	00320413	6
	anthracite	1	D 450.21 FU-BLS N	00322013	6
	alu	1	D 450.70 FU-BLS N	00322113	6
	pure white high gloss	1	D 450.022 FU-BLS N	00323613	6
	anthracite high gloss	1	D 450.212 FU-BLS N	00324213	6
 <p><b>Easyfit universal wall mounted transmitter, 4-channel</b> for combination frame with internal measurements 55 x 55 mm, double rockers with neutral centre, no print, H = 15 mm</p>	pure white	1	D 455.02 FU-BLS N	00320713	6
	anthracite	1	D 455.21 FU-BLS N	00322313	6
	alu	1	D 455.70 FU-BLS N	00322413	6
	pure white high gloss	1	D 455.022 FU-BLS N	00323913	6
	anthracite high gloss	1	D 455.212 FU-BLS N	00324513	6
 <p><b>Easyclick mini wall mounted transmitter, 2-channel for single installation</b> rocker with neutral centre, no print, small size for universal applications, measurements: 61 x 61 mm, H = 15 mm</p>	pure white high gloss	1	D 450/61.022 FU-BLS N	00343866	6
 <p><b>Easyclick mini wall mounted transmitter, 4-channel for single installation</b> rocker with neutral centre, no print, small size for universal applications, measurements: 61 x 61 mm, H = 15 mm</p>	pure white high gloss	1	D 455/61.022 FU-BLS N	00343886	6
 <p><b>Easyclick replacement adhesive film</b> 5 adhesive films for Easyclick wall mounted transmitters, size: 79 x 79 mm</p>		1 bag	D 45 KF	00579513	6
 <p><b>Easyclick wall mounted transmitter Concept 45, 2-channel</b> with full cover plate 116 x 80 mm for single installation, rocker with neutral centre and printed I/O, H = 15 mm</p>	pure white	1	D 250.02 FU-BLS	00522313	6
	anthracite	1	D 250.21 FU-BLS	00522913	6
	alu	1	D 250.70 FU-BLS	00523513	6
 <p><b>Easyclick wall mounted transmitter Concept 45, 4-channel</b> with full cover plate 116 x 80 mm for single installation, double rockers with neutral centre</p>	pure white	1	D 255.02 FU-BLS	00522613	6
	anthracite	1	D 255.21 FU-BLS	00523213	6
	alu	1	D 255.70 FU-BLS	00523913	6
 <p><b>Easyclick wall mounted transmitter Concept 45, 2-channel, e.g. for one shutter</b> with full cover plate 116 x 80 mm for single installation, rocker with neutral centre and printed UP/DOWN, H = 15 mm</p>	pure white	1	D 250.02 FU-BLS JR	00522413	6
	anthracite	1	D 250.21 FU-BLS JR	00523013	6
	alu	1	D 250.70 FU-BLS JR	00523613	6







Article Designation	Colour	Packed	Article no.	Code no.	R
<b>Easyclick wall mounted transmitter Concept 45, 4-channel, e.g. for two shutters</b> with full cover plate 116 x 80 mm for single installation, double rockers with neutral centre and printed UP/DOWN, H = 15 mm	pure white	1	D 255.02 FU-BLS JR	00522713	6
	anthracite	1	D 255.21 FU-BLS JR	00523313	6
	alu	1	D 255.70 FU-BLS JR	00524013	6
<b>Easyclick wall mounted transmitter Concept 45, neutral, 2-channel</b> with full cover plate 116 x 80 mm for single installation, rocker with neutral centre, no print	pure white	1	D 250.02 FU-BLS N	00522513	6
	anthracite	1	D 250.21 FU-BLS N	00523113	6
	alu	1	D 250.70 FU-BLS N	00523713	6
<b>Easyclick wall mounted transmitter Concept 45, neutral, 4-channel</b> with full cover plate 116 x 80 mm for single installation, double rockers with neutral centre, no print	pure white	1	D 255.02 FU-BLS N	00522813	6
	anthracite	1	D 255.21 FU-BLS N	00523413	6
	alu	1	D 255.70 FU-BLS N	00524113	6
<b>Easyclick window contact</b> Batteryless radio window/door contact for monitoring window and door statuses with Easyclick radio signals sent to Easyclick Plus receivers, bidirectional, and radio interfaces for building management systems  The Easyclick window contact is wireless and perfectly maintenance free with internal solar powered energy storage. It can operate for several days in the dark. Immediate signal transmission when a window is opened or closed, triggered by a window magnet.  The window contact can be installed on all frame profiles. Owing to the wireless radio transmission, these window contacts can be retrofitted at any time for enhanced security. Compatible with Easyclick Plus receivers, bidirectional, and the PHC system. Colour similar to RAL 9003, IP 40 rating. Charge for several hours in daylight before operating.  Window contact measurements: L 110 x W 19 x H 15 mm Magnet measurements: L 23 x W 14 x H 6 mm		1	D 450 FU FK	00367113	6
<b>Easyclick hotel card switch</b> Self supplying switch for taking hotel cards and switching the power supply per room. Batteryless and maintenance free Easyclick transmitter for Easyclick Plus receivers, bidirectional, and radio interfaces for building management systems, for screwed or glued surface installations, for standard hotel card size 55 x 85 mm	AURA	pure white	D 20.450.02 FU-BLS HC	00381886	6
		anthracite	D 20.450.21 FU-BLS HC	00381946	6
		alu	D 20.450.70 FU-BLS HC	00381966	6
	NOVA	pure white	D 20.450.022 FU-BLS HC	00381856	6
		Piano black	D 20.450.192 FU-BLS HC	00381986	6
		alu	D 20.450.702 FU-BLS HC	00382046	6



## Easyclick/EnOcean RF system

	Article Designation	Colour	Packed	Article no.	Code no.	R
	<p><b>Easyclick mini handheld transmitter, 4-channel</b></p> <p>The Easyclick mini handheld transmitter is designed to switch and dim lights, open and close shutters, and adjust blinds. It can operate batteryless at any location within the range. For instance, homeowners can open the garage door and activate the welcome scene. The small and ergonomic mini handheld transmitter in the sealed housing features four buttons for remote control. Two-button operation makes use of the pairs A/B and C/D.</p> <p>Housing colour black, button colour grey, weight approx 50 g, measurements: W 50 mm x L 82 mm x H 21 mm.</p>	black/grey	1	D 450 FU-HS 4	00364113	6
	<p><b>Easyclick de luxe handheld transmitter, 128-channel</b></p> <p>The bidirectional Easyclick de luxe handheld transmitter is a user friendly remote control for both Easyclick and all other receivers based on EnOcean technology. The Easyclick de luxe handheld transmitter is therefore ideal for switching/dimming lights, regulating blinds/shutters/canopies, and actuating many other electrical consumers. In addition, the device provides the fitter with EnOcean service functions for planning ranges and can also test the functions during initial operations. Included in delivery: 3 AAA NiMH rechargeable batteries with USB charger and separate USB cable.</p> <p>Technical data:</p> <ul style="list-style-type: none"> <li>• 128 bidirectional radio channels with up to 512 functions</li> <li>• 32 configurable levels</li> <li>• time of day, date, and temperature in °C or °F</li> <li>• predefined texts and symbols</li> <li>• PIN code lock possible</li> <li>• 32 programmable timers</li> <li>• 8 configurable shortcut keys</li> <li>• The handheld transmitter can be used to configure all levels with the listed entries</li> <li>• The PC software is available for download at the internet address <a href="http://www.peha.de">www.peha.de</a></li> <li>• The software is enhanced and updated by internet downloads</li> <li>• The software can configure up to 32 user functions, e.g. lighting scenes, with up to 16 actions</li> <li>• EnOcean service functions like e.g. ID view, radio signal quality, radio link test, etc., test the range between two Easyclick de luxe handheld transmitters</li> <li>• The Easyclick de luxe handheld transmitter can visualise actual switched and dimmed statuses of the Easyclickpro receivers*</li> <li>• Visualisation of energy consumptions and operating hours of consumers connected to Easyclickpro receivers with energy meter*</li> </ul> <p>* Firmware 2.0 or later</p> <p>Measurements: 165 x 55 x 21 mm</p>		1	D 450 FU-HS 128	00364936	6
	<p><b>Easyclick multichannel radio transmitter PC controlled</b> ♦</p> <p>For connection to a USB port on a PC. Available are 64 channels for 32 transmitters. After installation, the provided software can depict up to 32 transmitters as graphs on the screen. Clicking the transmitters switches the consumers wirelessly via the programmed Easyclick receivers. They can be visualised as I/O, UP/DOWN, or neutral icons.</p> <p>Some configuration examples: Starting and stopping the screensaver triggers transmission signals with preset delay times. The time/interval controller takes fixed ON and OFF switching times. Up to 32 transmitters can be placed anywhere on the screen or grouped into interacting systems. A background image, e.g. a floor plan, can be set for user defined positioning.</p> <p>Housing measurements: 23 x 125 x 61 mm (H x W x D), cable length approx 600 mm. Minimum requirements: Windows XP/Vista (32 bit). Delivery includes the software on an installation CD and a USB cable.</p>		1	D 455 FU-S 64 USB	00302316	6


Article Designation	Colour	Packed	Article no.	Code no.	R
<p><b>Easyclick transmitter module 230 Vac / 24 Vac or dc</b> for switching in a supply voltage at a button, switch, or movement detector. Use only with Easyclick Plus receivers and bidirectional. Only the ON edge is analysed from buttons and switches. The connections used can be <b>either</b> 230 Vac <b>or</b> 24 Vac/dc. Only one supply connection may be used!</p> <p>Technical data: Input data 230 Vac / 50 Hz Input data 8–24 Vac or dc Measurements approx 21 x 58 x 25 mm, with mounting lug, IP20, 2-channel, insulation displacement contacts 0.5–1.5 mm<sup>2</sup>, line length to button/switch max 1 m.</p>		1	D 455 FU-S2	00324913	6 
<p><b>Easyclick transmitter board, 2-channel</b> for connecting to conventional buttons, e.g. in WAB, with 4 inputs and a common wire. Inputs can be used to simulate two PTM 210 rockers (as in wall mounted and handheld transmitter), i.e. 2 x ON/OFF or 2 x UP/DOWN. Example – two inputs can be used to switch ON/OFF at double buttons – a second double switch can be used for another consumer. ON-key functions are possible only with Easyclick Plus receivers and bidirectional, no switches may be connected. With two batteries type CR2032, connecting wires: L approx 190 mm, housing measurements: 42 x 29 x 16 mm</p>		1	D 450 FU-SP 2	00364956	6 
<p><b>Easyclick sensor transmitter board for weather station sensor head</b> The Easyclick sensor transmitter board is connected to the weather station D 940 WES, and the measured values are transmitted by means of the EnOcean radio protocol to the Easyclick modular system. The transmitted sensor data can then be implemented by a bidirectional JR receiver. To this end, the transmitter board is programmed at the parameterisable Easyclick module JR.</p> <p>Technical data:</p> <ul style="list-style-type: none"> <li>• installation on flush mounted switch socket dia. 60 mm, 42 mm deep</li> <li>• with cover (similar to RAL 9016) for frame 55 x 55 mm, additional depth approx 15 mm</li> <li>• board measurements approx 70 x 70 mm</li> <li>• connecting terminals for 24 Vdc supply voltage</li> <li>• connecting terminals for weather station sensor head</li> <li>• current draw max 15 mA, plus 125 mA for the weather station</li> <li>• IP 20 rating</li> </ul>	pure white	1	D 450.02 FU-SP WES	00361916	6 
<p><b>Easyclickpro aerial module</b> The bidirectional Easyclick aerial module receives all signals from Easyclick transmitters and repeaters inside its range. These are then rerouted via an RS485 interface to the Easyclick modules. The Easyclick modules are linked to each other with modular plug-in cables. Up to 128 modules can be connected to the RS485 bus. If required, also more than one aerial module can be connected to the Easyclick modular system.</p> <p>Technical data: Fitted with a white cover, the plastic housing is ready for surface mounting on a wall or ceiling. Connecting terminals for the RS485 bus IP 20 rating, 868.3 MHz Own standby consumption approx 0.4 W, operation approx 22 mA /0.5 W Housing measurements dia approx 130 mm, H approx 29 mm</p>		1	D 450 ANT	00377816	6 

Article Designation	Colour	Packed	Article no.	Code no.	R
 <p><b>Easyclickpro switching module with SPV, 4-channel, 4 HP</b>                      The Easyclick switching module receives its telegrams via the external Easyclick aerial module and uses its power sections to implement the configured functions and parameters. The Easyclick switching module unit is fitted with its own voltage supply and can therefore be linked with modular plug-in cables to additional Easyclick modules like e.g. dimming, JR, etc. An additional Easyclick voltage supply module is available for further enhancements. The Easyclick switching module is used to switch lights and other electrical consumers based on a range of functions and parameters configured at rotary switches. The four channels can be programmed independently of each other, and a function can be defined individually for each programmed transmitter. Standard function: 2-key ON/OFF function. The functions selected can be e.g. 1-key function, time functions, fan control, window contact, lighting scene control, hotel card switch, time controlled power shutoff, temperature control, etc.</p> <p>Technical data:                      DRA device for mounting on 72 mm DIN rails (4 HP)                      own consumption standby = less than 1 W                      operation = max 100 mA / 2.4 W                      4 relay outputs 10 A                      rotary switches for functions and parameters                      LRN/CLR button                      LED display                      incl voltage supply 230 V AC/24 V DC                      modular bushes                      connecting terminals for the RS485 bus (aerial)                      incl 30 cm connecting cable                      IP 20 rating                      CE approvals, KEMA/KEUR</p>		1	D 454 FU-SPV 4REG	00377836	6
 <p><b>Easyclickpro module SPV, 2 HP</b>                      The Easyclick module SPV 24 V is designed for supplying voltage to the Easyclick modular system. The Easyclick modules are linked to each other with modular plug-in cables. With connecting terminals for the aerial module D 450 ANT.</p> <p>Technical data:                      DRA device for mounting on 36 mm DIN rails (2 HP)                      own consumption standby approx 0.5 W                      voltage supply approx 220–240 Vac                      output voltage 24 Vdc                      output current 1.5 A                      screw type terminals for power connection (N, L)                      connecting terminals for the RS485 bus (aerial)                      modular bushes                      IP 20 rating                      CE approvals, KEMA/KEUR</p>		1	D 450 SPV-2REG	00377957	6
 <p><b>Easyclickpro switching module, 4-channel, 2 HP</b>                      The Easyclick switching module receives its telegrams via the external Easyclick aerial module and uses its power sections to implement the configured functions and parameters. The Easyclick modules are linked to each other with modular plug-in cables. The Easyclick switching module is used to switch lights and other electrical consumers based on a range of functions and parameters configured at rotary switches. The four channels can be programmed independently of each other, and a function can be defined individually for each programmed transmitter. Standard function: 2-key ON/OFF function. The functions selected can be e.g. 1-key function, time functions, fan control, window contact, lighting scene control, hotel card switch, time controlled power shutoff, temperature control, etc.</p> <p>Technical data:                      DRA device for mounting on 36 mm DIN rails (2 HP)                      own consumption standby = approx 0.25 W                      operation = approx 70 mA / 1.7 W                      4 relay outputs 10 A                      rotary switches for functions and parameters                      modular bushes, LRN/CLR button, LED display                      incl 30 cm connecting cable                      IP 20 rating                      CE approvals, KEMA/KEUR</p>		1	D 454 FU-2REG	00377856	6

Article Designation	Colour	Packed	Article no.	Code no.	R	
<p><b>Easyclickpro switching module, 2-channel, 2 HP</b></p> <p>The Easyclick switching module receives its telegrams via the external Easyclick aerial module and uses its power sections to implement the configured functions and parameters. The Easyclick modules are linked to each other with modular plug-in cables. The Easyclick switching module is used to switch lights and other electrical consumers based on a range of functions and parameters configured at rotary switches. The two channels can be programmed independently of each other, and a function can be defined individually for each programmed transmitter.</p> <p>Standard function: 2-key ON/OFF function. The functions selected can be e.g. 1-key function, time functions, fan control, window contact, lighting scene control, hotel card switch, time controlled power shutoff, temperature control, etc.</p> <p>Technical data: DRA device for mounting on 36 mm DIN rails (2 HP) own consumption standby = approx 0.25 W   operation = approx 46 mA / 1.1 W 2 relay outputs 16 A rotary switches for functions and parameters modular bushes, LRN/CLR button, LED display incl 30 cm connecting cable IP 20 rating CE approvals, KEMA/KEUR</p>		1	D 452 FU 2REG	00324873	6	
<p><b>Easyclickpro UNI dimming module, 1-channel, 2 HP</b></p> <p>The Easyclick UNI dimming module receives its telegrams via the external Easyclick aerial module and uses its power sections to implement the configured functions and parameters. The Easyclick modules are linked to each other with modular plug-in cables. The Easyclick UNI dimming module is used to switch and dim lights based on a range of functions and parameters configured at rotary switches. A function can be defined individually for each programmed transmitter.</p> <p>Standard function: 2-key ON/OFF/DIM function with memory. Selected functions include e.g. 2-key function with brightness preset, 1-key function with memory, time functions, lighting scene control, etc.</p> <p>Technical data: DRA device for mounting on 36 mm DIN rails (2 HP) own consumption standby = approx 0.29 W   operation = approx 20 mA / 0.48 W universal dimmer with 1 channel for R, L, and C loads. min load 15 W and 20 VA, max 250 W and 200 VA, dimmable 230 Vac LED lamps e.g. Phillips type Master LEDbulb MV 12 W (please also consult list on internet) rotary switches for functions and parameters LRN/CLR key, LED display, modular bushes incl 30 cm connecting cable IP 20 rating CE approvals, KEMA/KEUR</p>		1	D 451 FU-DM UN 2REG	00377876	6	

Article Designation	Colour	Packed	Article no.	Code no.	R
 <p><b>Easyclickpro JR module, 4-channel, 2 HP (for 2 blinds/shutters)</b></p> <p>The Easyclick JR module receives its telegrams via the external Easyclick aerial module and uses its power sections to implement the configured functions and parameters. The Easyclick modules are linked to each other with modular plug-in cables. The Easyclick JR module is used to regulate blinds/shutters based on a range of functions and parameters configured at rotary switches.</p> <p>A function can be defined individually for each programmed transmitter.</p> <p>Standard function: UP/STOP/DOWN with slat adjust. Selected functions include e.g. UP/STOP/DOWN w/o slat adjust, slat adjust ON/OFF, safety function for blocking, UP/DOWN lighting scenes, etc.</p> <p>Technical data: DRA device for mounting on 36 mm DIN rails (2 HP) own consumption standby = approx 0.4 W   operation = approx 21 mA / 0.51 W</p> <p>4 relay outputs for two 230 Vac motor blinds/shutters (max 1 A) rotary switches for functions and parameters LRN/CLR button LED display modular bushes incl 30 cm connecting cable IP 20 rating CE approvals, KEMA/KEUR</p>		1	D 454 FU-JR 2REG	00377937	6
 <p><b>Easyclickpro actuator</b></p> <p>The battery powered bidirectional Easyclick actuator facilitates the convenient regulation of heating in individual rooms. These operations require a switching module (e.g. D 454 FU-SPV 4REG) and the aerial (D 450 ANT) from the Easyclick modular system. The switching module features a room temperature regulating function; analyses the telegrams from the room temperature sensor, window contacts/handles, hotel card switches, Sensolux, etc.; and transmits the information back to the actuator on request. The actuator is programmed via a button/LED at the switching module.</p> <p>Technical data: Supply voltage: 2 x AA batteries (included in delivery) 868.3 MHz Housing: white plastic Connections: standard M30 x 1.5 and Danfoss type RA, RAV, RAVL (others on request) Max stroke: 4 mm Actuating force: max 100 N, depending on valve Actuating time: 3 s/mm Rating: IP 20 Parameterisation: setpoint, wake-up timer, and Window Open function Weight: approx 250 g Measurements: 48 x 64 x 75 mm</p>		1	D 451 FU-E MSA	00324853	6




Article Designation	Colour	Packed	Article no.	Code no.	R	
<b>Blank cover for flush mounting receivers without mounting plate</b>						
Cover for Easyclick flush mounting receivers and repeaters	STANDARD	white	10	D 80.477 w	00372313	3
		pure white	10	D 80.477.02	00372413	3
	DIALOG	pure white	10	D 95.477.02	00372513	3
		deep black	10	D 95.477.19	00372533	3
	AURA	pure white	10	D 20.477.02	00372613	3
		anthracite	10	D 20.477.21	00372553	3
		alu	10	D 20.477.70	00372753	3
	NOVA brilliance	pure white	10	D 20.477.022	00030713	3
		Piano black	10	D 20.477.192	00372633	3
		alu	10	D 20.477.702	00372653	3
	<b>Pushbutton attachment, 1 button, for Easyclick flush mounting receivers with mounting plate D 451 FU-EBI UP o.A., D 451 FU-EBIM UP o.A. and D 451 FU-EBI LED UP o.A., D 451 FU-EBIM LED UP o.A.</b>					
		STANDARD	white	1	D 80.420 w	00149713
pure white			1	D 80.420.02	00127213	3
DIALOG		white	1	D 95.420.03	00827213	3
		pure white	1	D 95.420.02	00802713	3
		deep black	1	D 95.420.19	00844513	3
		brown	1	D 95.420.26	00776413	3
		alu	1	D 95.420.70	00313513	3
AURA		pure white	1	D 20.420.02	00119113	3
		anthracite	1	D 20.420.21	00132413	3
		alu	1	D 20.420.70	00158713	3
NOVA brilliance		pure white	1	D 20.420.022	00029513	3
		Piano black	1	D 20.420.192	00044513	3
	alu	1	D 20.420.702	00059513	3	
<b>Pushbutton attachment, 2 buttons, for Easyclick flush mounting JR receivers with mounting plate, with printed UP/DOWN D 452 FU-EBI JR UP o.A. and D 452 FU-EBIM JR UP o.A.</b>						
	STANDARD	white	1	D 80.425 JR w	00149613	3
		pure white	1	D 80.425.02 JR	00128913	3
	DIALOG	pure white	1	D 95.425.02 JR	00806913	3
		alu	1	D 95.425.70 JR	00314913	3
	AURA	pure white	1	D 20.425.02 JR	00132013	3
		anthracite	1	D 20.425.21 JR	00132113	3
		alu	1	D 20.425.70 JR	00132813	3
	NOVA brilliance	pure white	1	D 20.425.022 JR	00029713	3
		Piano black	1	D 20.425.192 JR	00044713	3
		alu	1	D 20.425.702 JR	00059713	3
	<b>Easyclick dimming receiver Plus, 1-channel</b>					
	Easyclick receiver for switching and dimming lights based on a range of functions and parameters. Trailing edge dimmer for low voltage halogen lamps with electronic transformers, incandescent lamps, high voltage halogen lamps, and other ohmic consumers. Standard function: ON/OFF/DIM with 2-key function with memory		1	D 451 FU-BEP DAB	00363913	6
Selected functions include: ON/OFF/DIM with 2-key function w/o memory, ON/OFF defined with 2-key function, UP/DOWN/DIM defined with 2-key function, ON/OFF/DIM with 1-key function and memory, stairwell light function with selectable OFF time and advance OFF warning, 4 lighting scenes saved and retrieved at the push of a key (1 lighting scene per key). A function can be defined individually for each programmed transmitter. Connecting data: min 60 to max 210 W, housing height 27 mm, with screw hook hole, IP 20, with connecting wires, 230 Vac, 50 Hz, neutral conductor required. Up to 32 transmitters can be programmed. CE approvals, KEMA/KEUR						

Article Designation	Colour	Packed	Article no.	Code no.	R															
 <p><b>Easyclick pro ceiling receiver, bidirectional, 4-channel with energy meter</b></p> <p>The bidirectional Easyclick ceiling receiver can not only receive radio signals, but also transmits back its status every time it changes. Actual ON/OFF switched states can then be visualised per channel e.g. on the handheld transmitter D 450 FUHS 128 (from FW 2.0). An integrated energy meter (energy measuring chip) also records the energy values of the connected consumers. The momentary power consumption, the operating hours, and the overall electricity consumption can be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 128). In addition, the energy consumption can be depicted as a histogram on an hourly or weekly basis, together with the total consumption and the total costs. The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver.</p> <p>The Easyclick receiver serves to switch lights and other electrical consumers. A range of functions and parameters can be selected for each channel:</p> <ul style="list-style-type: none"> <li>• two-key operation ON/OFF (standard function)</li> <li>• one-key operation ON/OFF (changeover)</li> <li>• button operation (pulse)</li> <li>• hotel card switch with definable follow-up time</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> <li>• fan function with delayed ON and with selectable follow-up time</li> <li>• save and retrieve 4 lighting scenes at the press of a key (one lighting scene per key)</li> <li>• window handle and window contact, visualisation also parallel to the switching outputs</li> <li>• movement detector and light sensor</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts, window handles, and movement detectors are being programmed</li> <li>• A range test (RadioLinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:                      Own consumption standby: &lt; 0.5 W (bistable relays)                      Transmit frequency: 868.3 MHz                      Voltage supply: 100–240 Vac/ 50–60 Hz                      Neutral conductor: required                      Ambient temperature: -20 °C to +40 °C                      Storage temperature: -40 °C to +85 °C                      Screw type terminals                      NO contacts                      Housing measurements: 55 x 36 x 230 mm                      Rating: IP 20                      Approvals: CE; KEMA/KEUR</p> <table border="1"> <thead> <tr> <th>Load types</th> <th>230 Vac</th> <th>110 Vac</th> </tr> </thead> <tbody> <tr> <td>Incandescent lamps</td> <td>2500 W</td> <td>1250 W</td> </tr> <tr> <td>HV halogen lamps</td> <td>1200 W</td> <td>600 W</td> </tr> <tr> <td>Motor load</td> <td>600 VA</td> <td>300 VA</td> </tr> <tr> <td>EVG load</td> <td>3 pcs <sup>1)</sup></td> <td>3 pcs <sup>1)</sup></td> </tr> </tbody> </table> <p><sup>1)</sup> The quantity depends on the type and manufacturer. The device's data sheet must be observed!</p>	Load types	230 Vac	110 Vac	Incandescent lamps	2500 W	1250 W	HV halogen lamps	1200 W	600 W	Motor load	600 VA	300 VA	EVG load	3 pcs <sup>1)</sup>	3 pcs <sup>1)</sup>		1	D 454 FU-EBIM DE	00366756	6
Load types	230 Vac	110 Vac																		
Incandescent lamps	2500 W	1250 W																		
HV halogen lamps	1200 W	600 W																		
Motor load	600 VA	300 VA																		
EVG load	3 pcs <sup>1)</sup>	3 pcs <sup>1)</sup>																		



Article Designation	Colour	Packed	Article no.	Code no.	R
<p><b>EnOcean KNX gateway, 32-channel</b></p> <p>Interface between sensors/transmitters with EnOcean technology and KNX bus couplers. The 32 channels can be assigned individually.</p> <p>Configurable functions:</p> <ul style="list-style-type: none"> <li>switching/dimming (1 bit / 4 bit)</li> <li>blind control (1 bit)</li> <li>occupancy (1 bit)</li> <li>temperature (2 bytes)</li> <li>light value (2 bytes)</li> <li>window contacts (1 bit)</li> </ul> <p>In addition, six control channels can be selected with the following control types:</p> <ul style="list-style-type: none"> <li>light continuous / light 2-point</li> <li>temperature continuous / temperature 2-point</li> <li>general 2-byte float, 2-point</li> <li>general 0-255 (0-100%), 2-point</li> </ul> <p>Addresses and parameters are configured by means of ETS. The transmitters and sensors are programmed on the device or remote controlled via the KNX bus with software available separately.</p> <p>Technical data:</p> <ul style="list-style-type: none"> <li>Receiver frequency: 868.3 MHz</li> <li>Voltage supply: via the bus</li> <li>Current consumption: approx 25 mA</li> <li>Connections: KNX/EIB</li> <li>Rating: IP 20</li> <li>Measurements: 70 x 70 x 27 mm</li> </ul>		1	D 942 FU C	00381746	6
<p><b>Easyclick room temperature sensor with solar energy storage</b></p> <p>for recording temperatures and adjusting local setpoints in individual rooms, with integrated temperature sensor and rotary knob for setpoint adjust; the batteryless room temperature sensor transmits the measured values to the receiver item no. D 451 FU-E RTR o.T.</p> <p>AURA/NOVA</p> <p>Technical data:</p> <p>Temperature recording: Range 0 to +40 °C Resolution 0.15 K Absolute precision typ. ±0.4 K</p> <p>Setpoint recording: Range 0-270° angle of rotation Resolution 1.1°</p> <p>Energy generator: solar cell, internal EDLC, maintenance free</p> <p>Rating: IP 20 according to EN 60529</p> <p>Ambient temperature: -25 to 65 °C</p> <p>Transport: -25 to 65 °C / max 70 %rH, noncondensing</p> <p>Minimum illuminance: 200 lux (min 3-4 hours daily)</p> <p>Surface: matt</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	pure white	1	D 20.450.02 FU-RTR	00313696	6
	anthracite	1	D 20.450.64 FU-RTR	00313796	6
	alu	1	D 20.450.70 FU-RTR	00313896	6
<p><b>Easyclick room temperature sensor with solar energy storage</b></p> <p>with switchover for 2 temperature ranges (day/night), for recording temperatures and adjusting local setpoints in individual rooms, with integrated temperature sensor and rotary knob for setpoint adjust; the batteryless room temperature sensor transmits the measured values to the receiver item no. D 451 FU-E RTR o.T.</p> <p>AURA/NOVA</p> <p>Technical data:</p> <p>Temperature recording: Range 0 to +40 °C Resolution 0.15 K Absolute precision typ. ±0.4 K</p> <p>Setpoint recording: Range 0-270° angle of rotation Resolution 1.1°</p> <p>Energy generator: solar cell, internal EDLC, maintenance free</p> <p>Rating: IP 20 according to EN 60529</p> <p>Ambient temperature: -25 to 65 °C</p> <p>Transport: -25 to 65 °C / max 70 %rH, noncondensing</p> <p>Minimum illuminance: 200 lux (min 3-4 hours daily)</p> <p>Surface: matt</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	pure white	1	D 20.450.02 FU-RTR MS	00313996	6
	anthracite	1	D 20.450.64 FU-RTR MS	00314096	6
	alu	1	D 20.450.70 FU-RTR MS	00314296	6



Article Designation	Colour	Packed	Article no.	Code no.	R
 <p><b>Easyfit universal room temperature sensor with solar energy storage</b> for combination frame with internal measurements 55 x 55 mm, for recording temperatures and adjusting local setpoints in individual rooms, with integrated temperature sensor and rotary knob for setpoint adjusts; the batteryless room temperature sensor transmits the measured values to the receiver item no. D 451 FU-E RTR o.T.</p> <p>Technical data:                      Temperature recording: Range 0 to +40 °C                      Resolution 0.15 K                      Absolute precision typ. ±0.4 K                      Setpoint recording: Range 0–270° angle of rotation                      Resolution 1.1°                      Energy generator: solar cell, internal EDLC, maintenance free                      Rating: IP 20 according to EN 60529                      Ambient temperature: -25 to 65 °C                      Transport: -25 to 65 °C / max 70 %rH, noncondensing                      Minimum illuminance: 200 lux (min 3–4 hours daily)                      Surface: matt</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	pure white	1	D 450.02 FU-RTR	00311696	6
	anthracite	1	D 450.64 FU-RTR	00311796	6
	alu	1	D 450.70 FU-RTR	00311896	6
 <p><b>Easyfit universal room temperature sensor with solar energy storage</b> for combination frame with internal measurements 55 x 55 mm, with switchover for 2 temperature ranges (day/night), for recording temperatures and adjusting local setpoints in individual rooms, with integrated temperature sensor and rotary knob for setpoint adjusts; the batteryless room temperature sensor transmits the measured values to the receiver item no. D 451 FU-E RTR o.T.</p> <p>Technical data:                      Temperature recording: Range 0 to +40 °C                      Resolution 0.15 K                      Absolute precision typ. ±0.4 K                      Setpoint recording: Range 0–270° angle of rotation                      Resolution 1.1°                      Energy generator: solar cell, internal EDLC, maintenance free                      Rating: IP 20 according to EN 60529                      Ambient temperature: -25 to 65 °C                      Transport: -25 to 65 °C / max 70 %rH, noncondensing                      Minimum illuminance: 200 lux (min 3–4 hours daily)                      Surface: matt</p> <p>See 2013 PEHA catalogue or later for combination frames.</p>	pure white	1	D 450.02 FU-RTR MS	00311996	6
	anthracite	1	D 450.64 FU-RTR MS	00312096	6
	alu	1	D 450.70 FU-RTR MS	00312196	6
 <p><b>Easyclick thermostat receiver</b> for flush mounting, living space function for regulating heating temperature ON/OFF: The receiver compares the room temperature transmitted by the room temperature sensor with the entered setpoint. A smaller value switches the relay ON, a higher value OFF (thermostat function). The relay output can be used directly to actuate 230 Vac thermal two-point valves (item no. D 681 TSA, page 99). The energy lock function can be used for up to 10 programmed window contacts. When the window is closed, the receiver switches the actuator to OFF.</p> <p>Technical data:                      Supply voltage: 230 Vac, 50 Hz                      Switching output: changeover contact, max 2500 W                      Screw type terminals: max 1.5 mm<sup>2</sup>                      Rating: IP 20 according to EN 60529                      Installation: in flush mounting socket with blank cover and cable outlet                      Housing height: 28 mm</p>		1	D 451 FU-E RTR o.T.	00312296	6





Article Designation	Colour	Packed	Article no.	Code no.	R
<p><b>Easyclickpro ceiling mounted movement detector</b></p> <p>The wireless Easyclick ceiling-mounted movement detector is supplied with energy from solar cells and detects movements via a 360° passive infrared sensor. The movement detector is easy to install and saves energy. For instance, lighting switches ON automatically when a person enters a room, and automatically OFF after a follow-up time when he leaves again. In this process, the movement detector transmits radio signals to the parameterisable Easyclick receivers or all EnOcean interfaces for the building management systems. Battery operation (CR2032) is possible when the ambient brightness falls below 50 lux.</p> <p>Technical data:            Transmit frequency: EnOcean 868.3 MHz            Detection range: approx 12 m dia.            Installation height: 2–3 m            Transmit range: approx 25 m            Minimum brightness: 50 lux for automatic ON/OFF            Energy generator: solar cell, internal EDLC            Charging startup time:            Programming = approx 4 min at 100 lux                              = approx 1.5 min at 200 lux            Transmit movement = approx 6 min at 100 lux                                      = approx 3.5 min at 200 lux            For test mode = approx 5.5 hours at 200 lux</p> <p>Full charging time: 9 hours at 200 lux            Charging times for operation: 3 hours during the day at 200 lux            Operating time in the dark: approx 48 hours            Battery operation: approx 1 year depending on switching frequency            Transmit interval: immediately on movement detection                                      ... variably every 60 s at 300 lux to 300 s at 50 lux                                      ... OFF every 10 and 30 min after the last movement</p> <p>EnOcean equipment profile: EEP A5-07-01            Housing: PC, pearl white, similar to RAL 1013            Rating: IP 50            Measurements: 160 mm x 60 mm x 37 mm            Weight: 125 g            Ambient conditions: installation only in buildings, -10 °C to 40 °C, 20% to 95% relative air humidity, noncondensing</p> <p>Suitable receivers: all bidirectional dimming receivers and remote switches D 451 FU-DM UN 2REG (from FW1.25). A separate light sensor can be installed for lighting control based on daylight exposure</p>		1	D 451 FU-BM DE	00317316	6









# Easyclick/EnOcean RF system

Article Designation	Colour	Packed	Article no.	Code no.	R
<div data-bbox="124 188 268 519" data-label="Image"> </div> <p><b>Easyclickpro wall mounted movement detector</b></p> <p>The wireless Easyclick wall-mounted movement detector is supplied with energy from solar cells and detects movements via a passive infrared sensor. The movement detector is easy to install and saves energy. For instance, lighting switches ON automatically when a person enters a room, and automatically OFF after a follow-up time when he leaves again. In this process, the movement detector transmits radio signals to the parameterisable Easyclick receivers or all EnOcean interfaces for the building management systems. Battery operation (CR2032) is possible when the ambient brightness falls below 50 lux. The wide angle lens fitted as standard can be replaced easily with a provided long distance lens.</p> <p><b>Technical data:</b>          Transmit frequency: EnOcean 868.3 MHz          Detection range: wide angle lens approx 120°, 1 m to approx 15 m depending on room depth            long distance lens approx 45°, up to approx 30 m depending on room depth          Installation height: 1.8–2.4 m          Transmit range: approx 25 m          Minimum brightness: 50 lux for automatic ON/OFF          Energy generator: solar cell, internal EDLC          Charging startup time:          Programming = approx 4 min at 100 lux                            = approx 1.5 min at 200 lux          Transmit movement = approx 6 min at 100 lux                                    = approx 3.5 min at 200 lux          For test mode = approx 5.5 hours at 200 lux</p> <p>Full charging time: 9 hours at 200 lux          Charging times for operation: 3 hours during the day at 200 lux          Operating time in the dark: approx 48 hours          Battery operation: approx 1 year depending on switching frequency          Transmit interval: immediately on movement detection                                        ... variably every 60 s at 300 lux to 300 s at 50 lux                                        ... OFF every 10 and 30 min after the last movement</p> <p>EnOcean equipment profile: EEP A5-07-01          Housing: PC, pearl white, similar to RAL 1013          Rating: IP 50          Measurements: 148 mm x 64 mm x 45.7 mm          Weight: 125 g          Ambient conditions: installation only in buildings, -10 °C to 40 °C, 20% to 95% relative air humidity, noncondensing</p> <p>Suitable receivers: all bidirectional dimming receivers and remote switches D 451 FU-DM UN 2REG (from FW1.25). A separate light sensor can be installed for lighting control based on daylight exposure</p>		1	D 451 FU-BM	00317416	6

Article Designation	Colour	Packed	Article no.	Code no.	R	
<b>Masterseal wall mounted transmitter, 2-channel</b> – EnOcean RF pushbutton – Combinations with: PLS products with EnOcean logo – IP 66 rating – Measurements: 95 x 95 x 57 mm (L x W x H)	grey	1	D K55400 GRY	00989706	6	
<b>Masterseal wall mounted transmitter, 2-channel</b> – EnOcean RF pushbutton – Combinations with: PLS products with EnOcean logo – IP 66 rating – Measurements: 95 x 95 x 57 mm (L x W x H)	white	1	D K55400 WHI	00989716	6	
<b>Masterseal wall mounted transmitter, 4-channel</b> – EnOcean RF pushbutton – Combinations with: PLS products with EnOcean logo – IP 66 rating – Measurements: 95 x 95 x 57 mm (L x W x H)	grey	1	D K55406 GRY	00989726	6	
<b>Masterseal wall mounted transmitter, 4-channel</b> – EnOcean RF pushbutton – Combinations with: PLS products with EnOcean logo – IP 66 rating – Measurements: 95 x 95 x 57 mm (L x W x H)	white	1	D K55406 WHI	00989736	6	

Article Designation	Colour	Packed	Article no.	Code no.	R															
 <p><b>Easyclickpro flush mounting receiver, bidirectional, 1-channel</b></p> <p>The bidirectional Easyclick receiver can not only receive radio signals, but also transmits back its status every time it changes. Actual ON/OFF switched states can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters. The Easyclick receiver serves to switch lights and other electrical consumers. A range of functions and parameters can be selected:</p> <ul style="list-style-type: none"> <li>• two-key operation ON/OFF (standard function)</li> <li>• one-key operation ON/OFF (changeover)</li> <li>• button operation (pulse)</li> <li>• hotel card switch with definable follow-up time</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> <li>• fan function with delayed ON and with selectable follow-up time</li> <li>• save and retrieve 4 lighting scenes at the press of a key (one lighting scene per key)</li> <li>• window handle and window contact, visualisation also parallel to the switching outputs</li> <li>• movement detector and light sensor</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts, window handles, and movement detectors are being programmed</li> <li>• A range test (RadioLinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:                      Own consumption: &lt; 0.5 W (bistable relay)                      Transmit frequency: 868.3 MHz                      Voltage supply: 100–240 Vac/ 50–60 Hz                      Neutral conductor: required                      Ambient temperature: -20 °C to +40 °C                      Storage temperature: -40 °C to +85 °C                      Plugin terminals: max 1 x 1.5 mm<sup>2</sup>                      Housing height: 28 mm                      Rating: IP 20                      Mounting lugs: for screwing down in switch sockets                      Approvals: CE; KEMA/KEUR</p> <table border="1" data-bbox="293 1256 735 1406"> <thead> <tr> <th>Load types</th> <th>230 Vac</th> <th>110 Vac</th> </tr> </thead> <tbody> <tr> <td>Incandescent lamps</td> <td>2500 W</td> <td>1250 W</td> </tr> <tr> <td>HV halogen lamps</td> <td>1200 W</td> <td>600 W</td> </tr> <tr> <td>Motor load</td> <td>600 VA</td> <td>300 VA</td> </tr> <tr> <td>EVG load</td> <td>3 pcs <sup>1)</sup></td> <td>3 pcs <sup>1)</sup></td> </tr> </tbody> </table> <p><sup>1)</sup> The quantity depends on the type and manufacturer. The device's data sheet must be observed!</p>	Load types	230 Vac	110 Vac	Incandescent lamps	2500 W	1250 W	HV halogen lamps	1200 W	600 W	Motor load	600 VA	300 VA	EVG load	3 pcs <sup>1)</sup>	3 pcs <sup>1)</sup>		1	D 451 FU-EBI o.T.	00364316	6
Load types	230 Vac	110 Vac																		
Incandescent lamps	2500 W	1250 W																		
HV halogen lamps	1200 W	600 W																		
Motor load	600 VA	300 VA																		
EVG load	3 pcs <sup>1)</sup>	3 pcs <sup>1)</sup>																		
 <p><b>Easyclickpro flush mounting receiver, bidirectional, 1-channel with energy meter</b></p> <p>In addition to the bidirectional functions, the Easyclick receiver variant features an integrated energy meter (energy measuring chip) that can record the energy values of the connected consumer. The momentary power consumption, the operating hours, and the overall electricity consumption can be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). In addition, the energy consumption can be depicted as a histogram on an hourly or weekly basis, together with the total consumption and the total costs.</p> <p>Otherwise, functions, parameters, and technical data as for D 451 FU-EBI o.T.</p>		1	D 451 FU-EBIM o.T.	00366536	6															



Article Designation	Colour	Packed	Article no.	Code no.	R																
<p><b>Easyclickpro receiver, bidirectional, 1-channel</b></p> <p>The bidirectional Easyclick receiver can not only receive radio signals, but also transmits back its status every time it changes. Actual ON/OFF switched states can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver.</p> <p>The Easyclick receiver serves to switch lights and other electrical consumers. A range of functions and parameters can be selected:</p> <ul style="list-style-type: none"> <li>• two-key operation ON/OFF (standard function)</li> <li>• one-key operation ON/OFF (changeover)</li> <li>• button operation (pulse)</li> <li>• hotel card switch with definable follow-up time</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> <li>• fan function with delayed ON and with selectable follow-up time</li> <li>• save and retrieve 4 lighting scenes at the press of a key (one lighting scene per key)</li> <li>• window handle and window contact, visualisation also parallel to the switching outputs</li> <li>• movement detector and light sensor</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts, window handles, and movement detectors are being programmed</li> <li>• A range test (RadiolinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:            Own consumption: &lt; 0.5 W (bistable relay)            Transmit frequency: 868.3 MHz            Voltage supply: 100–240 Vac/ 50–60 Hz            Neutral conductor: required            Ambient temperature: -20 °C to +40 °C            Storage temperature: -40 °C to +85 °C            Connecting wires: 1.5 mm<sup>2</sup> blue, black, brown            Housing height: 28 mm            Housing: with screw hook hole            Rating: IP 20            Approvals: CE; KEMA/KEUR</p> <table border="1"> <thead> <tr> <th>Load types</th> <th>230 Vac</th> <th>110 Vac</th> </tr> </thead> <tbody> <tr> <td>Incandescent lamps</td> <td>2500 W</td> <td>1250 W</td> </tr> <tr> <td>HV halogen lamps</td> <td>1200 W</td> <td>600 W</td> </tr> <tr> <td>Motor load</td> <td>600 VA</td> <td>300 VA</td> </tr> <tr> <td>EVG load</td> <td>3 pcs <sup>1)</sup></td> <td>3 pcs <sup>1)</sup></td> </tr> </tbody> </table> <p><sup>1)</sup> The quantity depends on the type and manufacturer. The device's data sheet must be observed!</p>	Load types	230 Vac	110 Vac	Incandescent lamps	2500 W	1250 W	HV halogen lamps	1200 W	600 W	Motor load	600 VA	300 VA	EVG load	3 pcs <sup>1)</sup>	3 pcs <sup>1)</sup>		1	D 451 FU-BEBI	00364376	6	
Load types	230 Vac	110 Vac																			
Incandescent lamps	2500 W	1250 W																			
HV halogen lamps	1200 W	600 W																			
Motor load	600 VA	300 VA																			
EVG load	3 pcs <sup>1)</sup>	3 pcs <sup>1)</sup>																			
<p><b>Easyclickpro receiver, bidirectional, 1-channel with energy meter</b></p> <p>In addition to the bidirectional functions, the Easyclick receiver variant features an integrated energy meter (energy measuring chip) that can record the energy values of the connected consumer. The momentary power consumption, the operating hours, and the overall electricity consumption can be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). In addition, the energy consumption can be depicted as a histogram on an hourly or weekly basis, together with the total consumption and the total costs.</p> <p>Otherwise, functions, parameters, and technical data as for D 451 FU-BEBI.</p>		1	D 451 FU-BEBIM	00366616	6																

Article Designation	Colour	Packed	Article no.	Code no.	R															
 <p><b>Easyclickpro flush mounting receiver, bidirectional, with mounting plate, 1-channel</b></p> <p>The bidirectional Easyclick receiver can not only receive radio signals, but also transmits back its status every time it changes. Actual ON/OFF switched states can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver.</p> <p>The Easyclick receiver serves to switch lights and other electrical consumers.</p> <ul style="list-style-type: none"> <li>• With mounting plate for screwing down in switch sockets with 60 mm pitch between device screws</li> <li>• With socket board for receiving pushbutton attachment D xx.420.xx for local switching</li> </ul> <p>A range of functions and parameters can be selected. With pushbutton attachment:</p> <ul style="list-style-type: none"> <li>• one-key operation ON/OFF (standard function changeover)</li> <li>• one-key operation (ON/OFF)</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time with Easyclick transmitter:</li> <li>• two-key operation ON/OFF (standard function)</li> <li>• one-key operation ON/OFF (changeover)</li> <li>• button operation (pulse)</li> <li>• hotel card switch with definable follow-up time</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> <li>• fan function with delayed ON and with selectable follow-up time</li> <li>• save and retrieve 4 lighting scenes at the press of a key (one lighting scene per key)</li> <li>• window handle and window contact, visualisation also parallel to the switching outputs</li> <li>• movement detector and light sensor</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts, window handles, and movement detectors are being programmed</li> <li>• A range test (RadioLinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:                      Own consumption: &lt; 0.5 W (bistable relay)                      Transmit frequency: 868.3 MHz                      Voltage supply: 100–240 Vac/ 50–60 Hz                      Neutral conductor: required                      Ambient temperature: -20 °C to +40 °C                      Storage temperature: -40 °C to +85 °C                      Plugin terminals: max 1 x 1.5 mm<sup>2</sup>                      Housing height: 34 mm                      Rating: IP 20                      With mounting plate: for screwing down in switch sockets                      Approvals: CE; KEMA/KEUR</p> <table border="1" data-bbox="293 1536 735 1666"> <thead> <tr> <th>Load types</th> <th>230 Vac</th> <th>110 Vac</th> </tr> </thead> <tbody> <tr> <td>Incandescent lamps</td> <td>2500 W</td> <td>1250 W</td> </tr> <tr> <td>HV halogen lamps</td> <td>1200 W</td> <td>600 W</td> </tr> <tr> <td>Motor load</td> <td>600 VA</td> <td>300 VA</td> </tr> <tr> <td>EVG load</td> <td>3 pcs <sup>1)</sup></td> <td>3 pcs <sup>1)</sup></td> </tr> </tbody> </table> <p><sup>1)</sup> The quantity depends on the type and manufacturer. The device's data sheet must be observed!                      See page 15 for covers.</p>	Load types	230 Vac	110 Vac	Incandescent lamps	2500 W	1250 W	HV halogen lamps	1200 W	600 W	Motor load	600 VA	300 VA	EVG load	3 pcs <sup>1)</sup>	3 pcs <sup>1)</sup>		1	D 451 FU-EBI UP o.A.	00364516	6
Load types	230 Vac	110 Vac																		
Incandescent lamps	2500 W	1250 W																		
HV halogen lamps	1200 W	600 W																		
Motor load	600 VA	300 VA																		
EVG load	3 pcs <sup>1)</sup>	3 pcs <sup>1)</sup>																		
 <p><b>Easyclickpro flush mounting receiver, bidirectional, with mounting plate, 1-channel with energy meter</b></p> <p>In addition to the bidirectional functions, the Easyclick receiver variant features an integrated energy meter (energy measuring chip) that can record the energy values of the connected consumer. The momentary power consumption, the operating hours, and the overall electricity consumption can be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). In addition, the energy consumption can be depicted as a histogram on an hourly or weekly basis, together with the total consumption and the total costs.</p> <p>Otherwise, functions, parameters, and technical data as for D 451 FU-EBI UP o.A.</p> <p>See page 15 for covers.</p>		1	D 451 FU-EBIM UP o.A.	00366656	6															




Article Designation	Colour	Packed	Article no.	Code no.	R												
<p><b>Easyclickpro flush mounting receiver, bidirectional, 1-channel with floating contact</b></p> <p>The bidirectional Easyclick receiver can not only receive radio signals, but also transmits back its status every time it changes. Actual ON/OFF switched states can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver. The Easyclick receiver with floating contact serves to switch lights and other electrical consumers. A range of functions and parameters can be selected:</p> <ul style="list-style-type: none"> <li>• two-key operation ON/OFF (standard function)</li> <li>• button operation (pulse)</li> <li>• hotel card switch with definable follow-up time</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> <li>• fan function with delayed ON and with selectable follow-up time</li> <li>• save and retrieve 4 lighting scenes at the press of a key (one lighting scene per key)</li> <li>• window handle and window contact, visualisation also parallel to the switching outputs</li> <li>• movement detector and light sensor</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts, window handles, and movement detectors are being programmed</li> <li>• A range test (RadioLinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:            Own consumption: &lt; 0.5 W (bistable relay)            Transmit frequency: 868.3 MHz            Voltage supply: 100–240 Vac/ 50–60 Hz            Neutral conductor: required            Ambient temperature: -20 °C to +40 °C            Storage temperature: -40 °C to +85 °C            Plugin terminals: max 1 x 1.5 mm<sup>2</sup>            Housing height: 28 mm            Rating: IP 20            Mounting lugs: for screwing down in switch sockets            Approvals: CE; KEMA/KEUR</p> <table border="1"> <thead> <tr> <th>Load types</th> <th>230 Vac</th> <th>110 Vac</th> <th>30 Vdc</th> </tr> </thead> <tbody> <tr> <td>Incandescent lamps</td> <td>1200 W</td> <td>600 W</td> <td>150 W</td> </tr> <tr> <td>HV halogen lamps</td> <td>600 W</td> <td>300 W</td> <td>75 W</td> </tr> </tbody> </table>	Load types	230 Vac	110 Vac	30 Vdc	Incandescent lamps	1200 W	600 W	150 W	HV halogen lamps	600 W	300 W	75 W		1	D 451 FU-EBI PF o.T.	00364476	6
Load types	230 Vac	110 Vac	30 Vdc														
Incandescent lamps	1200 W	600 W	150 W														
HV halogen lamps	600 W	300 W	75 W														



Article Designation	Colour	Packed	Article no.	Code no.	R															
 <p><b>Easyclickpro flush mounting receiver, bidirectional, 2-channel</b></p> <p>The bidirectional Easyclick receiver can not only receive radio signals, but also transmits back its status every time it changes. Actual ON/OFF switched states can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver.</p> <p>The Easyclick receiver serves to switch lights and other electrical consumers. A range of functions and parameters can be selected:</p> <ul style="list-style-type: none"> <li>• two-key operation (standard function ON/OFF)</li> <li>• one-key operation (ON/OFF changeover)</li> <li>• button operation (pulse)</li> <li>• hotel card switch with definable follow-up time</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> <li>• fan function with delayed ON and with selectable follow-up time</li> <li>• save and retrieve 4 lighting scenes at the press of a key (one lighting scene per key)</li> <li>• window handle and window contact, visualisation also parallel to the switching outputs</li> <li>• movement detector and light sensor</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters. The channels can be programmed independently of each other.</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts, window handles, and movement detectors are being programmed</li> <li>• A range test (RadioLinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:                      Own consumption: &lt; 0.5 W (bistable relays)                      Transmit frequency: 868.3 MHz                      Voltage supply: 100–240 Vac/ 50–60 Hz                      Neutral conductor: required                      Ambient temperature: -20 °C to +40 °C                      Storage temperature: -40 °C to +85 °C                      Plugin terminals: max 1 x 1.5 mm<sup>2</sup>                      Housing height: 28 mm                      Rating: IP 20                      Mounting lugs: for screwing down in switch sockets                      Approvals: CE; KEMA/KEUR</p> <table border="1" data-bbox="293 1323 735 1473"> <thead> <tr> <th>Load types</th> <th>230 Vac</th> <th>110 Vac</th> </tr> </thead> <tbody> <tr> <td>Incandescent lamps</td> <td>500 W</td> <td>250 W</td> </tr> <tr> <td>HV halogen lamps</td> <td>100 W</td> <td>50 W</td> </tr> <tr> <td>Motor load</td> <td>100 VA</td> <td>50 VA</td> </tr> <tr> <td>EVG load</td> <td>1 pcs<sup>1)</sup></td> <td>1 pcs<sup>1)</sup></td> </tr> </tbody> </table> <p><sup>1)</sup> The quantity depends on the type and manufacturer. The device's data sheet must be observed!</p>	Load types	230 Vac	110 Vac	Incandescent lamps	500 W	250 W	HV halogen lamps	100 W	50 W	Motor load	100 VA	50 VA	EVG load	1 pcs <sup>1)</sup>	1 pcs <sup>1)</sup>		1	D 452 FU-EBI o.T.	00364336	6
Load types	230 Vac	110 Vac																		
Incandescent lamps	500 W	250 W																		
HV halogen lamps	100 W	50 W																		
Motor load	100 VA	50 VA																		
EVG load	1 pcs <sup>1)</sup>	1 pcs <sup>1)</sup>																		
 <p><b>Easyclickpro flush mounting receiver, bidirectional, 2-channel with energy meter</b></p> <p>In addition to the bidirectional functions, the Easyclick receiver variant features an integrated energy meter (energy measuring chip) that can record the energy values of the connected consumer. The momentary power consumption, the operating hours, and the overall electricity consumption can be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). In addition, the energy consumption can be depicted as a histogram on an hourly or weekly basis, together with the total consumption and the total costs. The displayed values are a summary of the results from both switching channels.</p> <p>Otherwise, functions, parameters, and technical data as for D 452 FU-EBI o.T.</p>		1	D 452 FU-EBIM o.T.	00366556	6															

Article Designation	Colour	Packed	Article no.	Code no.	R
<p><b>Easyclickpro flush mounting JR receiver, bidirectional, 2-channel</b></p> <p>The bidirectional Easyclick JR receiver can not only receive radio signals, but also transmits back its status every time it changes. For instance, the top/bottom end position of a shutter/blind can be depicted as a virtual image and visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver.</p> <p>The Easyclick receiver is designed to regulate shutters and blinds. A range of functions and parameters can be selected:</p> <ul style="list-style-type: none"> <li>• two-key operation UP/STOP/DOWN with slat adjust (standard function blind)</li> <li>• two-key operation UP/STOP/DOWN w/o slat adjust (standard function shutter)</li> <li>• jog mode (ON/OFF)</li> <li>• one-key operation UP/STOP/DOWN</li> <li>• safety lock for maintenance work</li> <li>• automatic ON/OFF</li> <li>• sun sensor / twilight sensor / wind sensor / rain sensor</li> <li>• 4 possible positions TOP/BOTTOM for lighting scenes</li> <li>• lockout protection with window contact / window handle</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts and window handles are being programmed</li> <li>• A range test (RadiolinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:            Own consumption: &lt; 0.5 W (bistable relays)            Transmit frequency: 868.3 MHz            Voltage supply: 100–240 Vac/ 50–60 Hz            Neutral conductor: required            Ambient temperature: -20 °C to +40 °C            Storage temperature: -40 °C to +85 °C            Plugin terminals: max 1 x 1.5 mm<sup>2</sup>            Housing height: 28 mm            Rating: IP 20            Mounting lugs: for screwing down in switch sockets            Approvals: CE; KEMA/KEUR            Connecting data: I max 1.0 A</p>		1	D 452 FU-EBI JR o.T.	00364356	6 
<p><b>Easyclickpro flush mounting JR receiver, bidirectional, 2-channel with position detector</b></p> <p>In addition to the bidirectional functions, the Easyclick receiver variant features position detection that can record and acknowledge the running times of shutters and blinds. Positions can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). The running times of the receivers are synchronised automatically when they reach their UP/DOWN end positions.</p> <p>Otherwise, functions, parameters, and technical data as for D 452 FU-EBI JR o.T. (except I max 1.6 A).</p>		1	D 452 FU-EBIM JR o.T.	00366576	6 

Article Designation	Colour	Packed	Article no.	Code no.	R
 <p><b>Easyclick pro flush mounting JR receiver, bidirectional, with mounting plate, 2-channel</b></p> <p>The bidirectional Easyclick JR receiver can not only receive radio signals, but also transmits back its status every time it changes. For instance, the top/bottom end position of a shutter/blind can be depicted as a virtual image and visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver.</p> <p>The Easyclick receiver is designed to regulate shutters and blinds.</p> <ul style="list-style-type: none"> <li>• With mounting plate for screwing down in switch sockets with 60 mm pitch between device screws</li> <li>• With socket board for receiving pushbutton attachment, double D xx.425.xx JR for local control</li> </ul> <p>A range of functions and parameters can be selected. With pushbutton attachment:</p> <ul style="list-style-type: none"> <li>• left key UP, right key DOWN with slat adjust (standard function blind)</li> <li>• left key UP, right key DOWN w/o slat adjust (function blind)</li> <li>• jog mode (ON/OFF)</li> </ul> <p>With Easyclick transmitter:</p> <ul style="list-style-type: none"> <li>• two-key operation UP/STOP/DOWN with slat adjust (standard function blind)</li> <li>• two-key operation UP/STOP/DOWN w/o slat adjust (standard function shutter)</li> <li>• jog mode (ON/OFF)</li> <li>• one-key operation UP/STOP/DOWN</li> <li>• safety lock for maintenance work</li> <li>• automatic ON/OFF</li> <li>• sun sensor / twilight sensor / wind sensor / rain sensor</li> <li>• 4 possible positions TOP/BOTTOM for lighting scenes</li> <li>• lockout protection with window contact / window handle</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts and window handles are being programmed</li> <li>• A range test (RadioLinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:                      Own consumption: &lt; 0,5 W (bistable relays)                      Transmit frequency: 868,3 MHz                      Voltage supply: 100–240 Vac/ 50–60 Hz                      Neutral conductor: required                      Ambient temperature: -20 °C to +40 °C                      Storage temperature: -40 °C to +85 °C                      Plugin terminals: max 1 x 1.5 mm<sup>2</sup>                      Housing height: 34 mm                      Rating: IP 20                      With mounting plate: for screwing down in switch sockets                      Approvals: CE; KEMA/KEUR                      Connecting data: I max 1.0 A</p> <p>See page 15 for covers.</p>		1	D 452 FU-EBI JR UP o.A.	00364536	6
 <p><b>Easyclick pro flush mounting JR receiver, bidirectional, with mounting plate, 2-channel with position detector</b></p> <p>In addition to the bidirectional functions, the Easyclick receiver variant features position detection that can record and acknowledge the running times of shutters and blinds. Positions can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). The running times of the receivers are synchronised automatically when they reach their UP/DOWN end positions.</p> <p>Otherwise, functions, parameters, and technical data as for D 452 FU-EBI JR UP o.A. (except I max 1.6 A).</p> <p>See page 15 for covers.</p>		1	D 452 FU-EBIM JR UP o.A.	00366676	6

Article Designation	Colour	Packed	Article no.	Code no.	R
<p><b>Easyclickpro flush mounting JR receiver 24 Vdc, bidirectional, 2-channel</b></p> <p>The bidirectional Easyclick JR receiver can not only receive radio signals, but also transmits back its status every time it changes. For instance, the top/bottom end position of a shutter/blind can be depicted as a virtual image and visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver.</p> <p>The Easyclick receiver is designed to regulate shutters, blinds, and roof windows. A range of functions and parameters can be selected:</p> <ul style="list-style-type: none"> <li>• two-key operation UP/STOP/DOWN with slat adjust (standard function blind)</li> <li>• two-key operation UP/STOP/DOWN w/o slat adjust (function shutter)</li> <li>• jog mode (ON/OFF)</li> <li>• one-key operation UP/STOP/DOWN</li> <li>• safety lock for maintenance work</li> <li>• automatic ON/OFF</li> <li>• sun sensor / twilight sensor / wind sensor / rain sensor</li> <li>• 4 possible positions TOP/BOTTOM for lighting scenes</li> <li>• lockout protection with window contact / window handle</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts and window handles are being programmed</li> <li>• A range test (RadioLinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:            Own consumption standby: &lt; 0.5 W            Own consumption operation: &lt; 0.8 W            Transmit frequency: 868.3 MHz            Voltage supply: 24 Vdc            Ambient temperature: -20 °C to +40 °C            Storage temperature: -40 °C to +85 °C            Plugin terminals: max 1 x 1.5 mm<sup>2</sup>            Housing height: 28 mm            Rating: IP 20            Mounting lugs: for screwing down in switch sockets            Approvals: CE; KEMA/KEUR            Connecting data: max switching capacity 1 A</p>		1	D 452/24 FU-EBJR o.T.	00364436	6



Article Designation	Colour	Packed	Article no.	Code no.	R
 <p><b>Easyclick<sup>pro</sup> flush mounting multifunction receiver 24 Vdc, bidirectional, 2-channel</b></p> <p>The bidirectional Easyclick multifunction receiver can not only receive radio signals, but also transmits back its status every time it changes. Actual ON/OFF switched states can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128. The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver. The Easyclick receiver serves to regulate lights and other consumers. The floating relay contacts can be operated over a common COM plugin terminal with extra low voltage (max 42 Vac). The relay contacts are not interlocked electrically. The Easyclick receiver serves to switch lights and other electrical consumers. A range of functions and parameters can be selected:</p> <ul style="list-style-type: none"> <li>• two-key operation ON/OFF (standard function)</li> <li>• one-key operation ON/OFF (changeover)</li> <li>• button operation (pulse)</li> <li>• hotel card switch with definable follow-up time</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> <li>• fan function with delayed ON and with selectable follow-up time</li> <li>• save and retrieve 4 lighting scenes at the press of a key (one lighting scene per key)</li> <li>• window handle and window contact, visualisation also parallel to the switching outputs</li> <li>• movement detector and light sensor</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts, window handles, and movement detectors are being programmed</li> <li>• A range test (RadioLinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:                      Own consumption standby: &lt; 0.5 W                      Own consumption operation: &lt; 1.3 A                      Transmit frequency: 868.3 MHz                      Voltage supply: 24 Vdc                      Ambient temperature: -20 °C to +40 °C                      Storage temperature: -40 °C to +85 °C                      Plugin terminals: max 1 x 1.5 mm<sup>2</sup>                      Housing height: 28 mm                      Rating: IP 20                      Mounting lugs: for screwing down in switch sockets                      Approvals: CE; KEMA/KEUR                      Connecting data: max 2 x 1 A</p>		1	D 452/24 FU-EBI MF o.T.	00364456	6

Article Designation	Colour	Packed	Article no.	Code no.	R
<p><b>Easyclickpro LED dimming receiver, bidirectional, 1-channel</b></p> <p>The bidirectional Easyclick LED dimming receiver can not only receive radio signals, but also transmits back its status every time it changes. Actual ON/OFF switched/dimmed states and the brightness values can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver. The Easyclick UNI dimming receiver is used to switch and dim lights.</p> <p>A range of functions and parameters can be selected:</p> <ul style="list-style-type: none"> <li>• two-key operation ON/OFF/DIM with memory (standard function)</li> <li>• one-key operation ON/OFF/DIM with memory</li> <li>• button operation (pulse)</li> <li>• hotel card switch with definable follow-up time</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> <li>• two-key operation with preset brightness values</li> <li>• save and retrieve 4 lighting scenes at the press of a key (one lighting scene per key)</li> <li>• window handle and window contact, visualisation also parallel to the switching outputs</li> <li>• movement detector and light sensor</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts, window handles, and movement detectors are being programmed</li> <li>• A range test (RadiolinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:            Own consumption: &lt; 0.5 W            Transmit frequency: 868.3 MHz            Voltage supply: 100–240 Vac/ 50–60 Hz            Neutral conductor: required            Ambient temperature: -20 °C to +40 °C            Storage temperature: -40 °C to +85 °C            Connecting wires: 1.5 mm<sup>2</sup> blue, black, brown            Housing height: 28 mm            Housing: with screw hook hole            Rating: IP 20            Approvals: CE; KEMA/KEUR            Connecting data: universal dimmer for R, L, and C loads and dim mable 230 V LED lamps            Further data being prepared.</p>		1	D 451 FU-BEBI LED	00364416	6
<p><b>Easyclickpro LED dimming receiver, bidirectional, 1-channel with energy meter</b></p> <p>In addition to the bidirectional functions, the Easyclick receiver variant features an integrated energy meter (energy measuring chip) that can record the energy values of the connected consumer. The momentary power consumption, the operating hours, and the overall electricity consumption can be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). In addition, the energy consumption can be depicted as a histogram on an hourly or weekly basis, together with the total consumption and the total costs.</p> <p>Otherwise, functions, parameters, and technical data as for D 451 FU-BEBI LED.</p>		1	D 451 FU-BEBIM LED	00366636	6




Article Designation	Colour	Packed	Article no.	Code no.	R
 <p><b>Easyclickpro LED dimming receiver, bidirectional, with mounting plate, 1-channel</b></p> <p>The bidirectional Easyclick LED dimming receiver can not only receive radio signals, but also transmits back its status every time it changes. Actual ON/OFF switched/dimmed states and the brightness values can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0).</p> <ul style="list-style-type: none"> <li>• The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver (from Nov 2013). The Easyclick LED dimming receiver is used to switch and dim lights.</li> <li>• With mounting plate for screwing down in switch sockets with 60 mm pitch between device screws</li> <li>• With socket board for receiving pushbutton attachment D xx.420.xx for local switching</li> </ul> <p>A range of functions and parameters can be selected. With pushbutton attachment:</p> <ul style="list-style-type: none"> <li>• one-key operation ON/OFF/DIM with memory (standard function)</li> <li>• one-key operation with preset brightness values</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> </ul> <p>With Easyclick transmitter:</p> <ul style="list-style-type: none"> <li>• two-key operation ON/OFF/DIM with memory (standard function)</li> <li>• one-key operation ON/OFF/DIM with memory</li> <li>• button operation (pulse)</li> <li>• hotel card switch with definable follow-up time</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> <li>• two-key operation with specified brightness values</li> <li>• save and retrieve 4 lighting scenes at the press of a key (one lighting scene per key)</li> <li>• window handle and window contact, visualisation also parallel to the switching outputs</li> <li>• movement detector and light sensor</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts, window handles, and movement detectors are being programmed</li> <li>• A range test (RadioLinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:            Own consumption: &lt; 0,5 W            Transmit frequency: 868.3 MHz            Voltage supply: 100–240 Vac/ 50–60 Hz            Neutral conductor: required            Ambient temperature: -20 °C to +40 °C            Storage temperature: -40 °C to +85 °C            Plugin terminals: max 1 x 1.5 mm<sup>2</sup>            Housing height: 34 mm            With mounting plate: for screwing down in switch sockets            Rating: IP 20            Approvals: CE; KEMA/KEUR            Connecting data: universal dimmer for R, L, and C loads and dimmable 230 V LED lamps            Further data being prepared,            See page 15 for covers.</p>		1	D 451 FU-EBI LED UP o.A.	00364556	6
 <p><b>Easyclickpro LED dimming receiver, bidirectional, with mounting plate, 1-channel with energy meter</b></p> <p>In addition to the bidirectional functions, the Easyclick receiver variant features an integrated energy meter (energy measuring chip) that can record the energy values of the connected consumer. The momentary power consumption, the operating hours, and the overall electricity consumption can be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). In addition, the energy consumption can be depicted as a histogram on an hourly or weekly basis, together with the total consumption and the total costs.</p> <p>Otherwise, functions, parameters, and technical data as for D 451 FU-EBI LED UP o.A.            See page 15 for covers.</p>		1	D 451 FU-EBIM LED UP o.A.	00366736	6



Article Designation	Colour	Packed	Article no.	Code no.	R															
<p><b>Easyclickpro plug through switch, bidirectional, 1-channel with energy meter (SCHUKO®)</b></p> <p>The bidirectional Easyclick plug through receiver can not only receive radio signals, but also transmits back its status every time it changes. Actual ON/OFF switched states can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). An integrated energy meter (energy measuring chip) also records the energy values of the connected consumer. The momentary power consumption, the operating hours, and the overall electricity consumption can be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 128). In addition, the energy consumption can be depicted as a histogram on an hourly or weekly basis, together with the total consumption and the total costs. The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver. The Easyclick receiver serves to switch lights and other electrical consumers. A range of functions and parameters can be selected:</p> <ul style="list-style-type: none"> <li>• two-key operation ON/OFF (standard function)</li> <li>• one-key operation ON/OFF (changeover)</li> <li>• button operation (pulse)</li> <li>• hotel card switch with definable follow-up time</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> <li>• fan function with delayed ON and with selectable follow-up time</li> <li>• save and retrieve 4 lighting scenes at the press of a key (one lighting scene per key)</li> <li>• window handle and window contact, visualisation also parallel to the switching outputs</li> <li>• movement detector and light sensor</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• With manual ON/OFF key</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts, window handles, and movement detectors are being programmed</li> <li>• A range test (RadioLinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:            Own consumption standby: &lt; 0.5 W (bistable relay)            Transmit frequency: 868.3 MHz            Voltage supply: 100–240 Vac/ 50–60 Hz            Neutral conductor: required            Ambient temperature: -20 °C to +40 °C            Storage temperature: -40 °C to +85 °C            Housing measurements: 136 x 65 x 39 mm            Rating: IP 20            Approvals: CE; KEMA/KEUR</p> <table border="1"> <thead> <tr> <th>Load types</th> <th>230 Vac</th> <th>110 Vac</th> </tr> </thead> <tbody> <tr> <td>Incandescent lamps</td> <td>2500 W</td> <td>1250 W</td> </tr> <tr> <td>HV halogen lamps</td> <td>1200 W</td> <td>600 W</td> </tr> <tr> <td>Motor load</td> <td>600 VA</td> <td>300 VA</td> </tr> <tr> <td>EVG load</td> <td>3 pcs <sup>1)</sup></td> <td>3 pcs <sup>1)</sup></td> </tr> </tbody> </table> <p><sup>1)</sup> The quantity depends on the type and manufacturer. The device's data sheet must be observed!</p>	Load types	230 Vac	110 Vac	Incandescent lamps	2500 W	1250 W	HV halogen lamps	1200 W	600 W	Motor load	600 VA	300 VA	EVG load	3 pcs <sup>1)</sup>	3 pcs <sup>1)</sup>	pure white	1	D 4511 FU-EBIM ST	00364576	6
Load types	230 Vac	110 Vac																		
Incandescent lamps	2500 W	1250 W																		
HV halogen lamps	1200 W	600 W																		
Motor load	600 VA	300 VA																		
EVG load	3 pcs <sup>1)</sup>	3 pcs <sup>1)</sup>																		
<p><b>Intermediate variants:</b></p> <p>with nickel plated earthing pin complying with Swiss SEV standards</p> <p>pure white</p> <p>complying with British standards</p> <p>pure white</p>	pure white	1	D 4571 FU-EBIM ST BE	00364616	6															
	pure white	1	D 4571 FU-EBIM ST CH	00364636	6															
	pure white	1	D 4571 FU-EBIM ST GB	00364656	6															



Article Designation	Colour	Packed	Article no.	Code no.	R
	pure white	1	D 4511 FU-EBIM LED ST	00364676	6
<p><b>Easyclickpro plug through LED dimming receiver, bidirectional, 1-channel with energy meter (SCHUKO®)</b></p> <p>The bidirectional Easyclick plug through LED dimming receiver can not only receive radio signals, but also transmits back its status every time it changes. Actual ON/OFF switched/dimmed states and brightness values can then be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 2.0). An integrated energy meter (energy measuring chip) also records the energy values of the connected consumer. The momentary power consumption, the operating hours, and the overall electricity consumption can be visualised e.g. on the handheld transmitter D 450 FU-HS 128 (from FW 128). In addition, the energy consumption can be depicted as a histogram on an hourly or weekly basis, together with the total consumption and the total costs. The handheld transmitter also supports remote management for remote access and the subsequent auto programming of transmitters without the need to press the LRN button on the receiver. The Easyclick plug through LED dimming receiver is used to switch and dim lights.</p> <p>A range of functions and parameters can be selected:</p> <ul style="list-style-type: none"> <li>• two-key operation ON/OFF/DIM with memory (standard function)</li> <li>• one-key operation ON/OFF/DIM with memory</li> <li>• button operation (pulse)</li> <li>• hotel card switch with definable follow-up time</li> <li>• stairwell light with selectable running time and shutdown warning</li> <li>• automatic OFF after selectable running time</li> <li>• two-key operation with preset brightness values</li> <li>• save and retrieve 4 lighting scenes at the press of a key (one lighting scene per key)</li> <li>• window handle and window contact, visualisation also parallel to the switching outputs</li> <li>• movement detector and light sensor</li> <li>• A function can be defined individually for each of the max 32 programmed transmitters</li> <li>• With manual ON/OFF key</li> <li>• Integrated repeater functions (1 level / 2 level) can be switched ON for each project, irrespectively of the set functions</li> <li>• Separate preassigned functions and parameters when e.g. window contacts, window handles, and movement detectors are being programmed</li> <li>• A range test (RadioLinkTest) between receiver (slave) and handheld transmitter D 450 FU-HS 128 (master) is possible in the installed state</li> </ul> <p>Technical data:                      Own consumption: &lt; 0.5 W                      Transmit frequency: 868.3 MHz                      Voltage supply: 100–240 Vac/ 50–60 Hz                      Neutral conductor: required                      Ambient temperature: -20 °C to +40 °C                      Storage temperature: -40 °C to +85 °C                      Housing measurements: 136 x 65 x 39 mm                      Rating: IP 20                      Approvals: CE; KEMA/KEUR                      Connecting data: universal dimmer for R, L, and C loads and dimmable 230 V LED lamps                      Further data being prepared.</p>	pure white	1	D 4571 FU-EBIM LED ST BE	00364716	6
<p><b>Intermediate variants:</b></p>	pure white	1	D 4571 FU-EBIM LED ST CH	00364736	6
<p>with nickel plated earthing pin complying with Swiss SEV standards</p>	pure white	1	D 4571 FU-EBIM LED ST GB	00364756	6
<p>complying with British standards</p>	pure white	1			

