



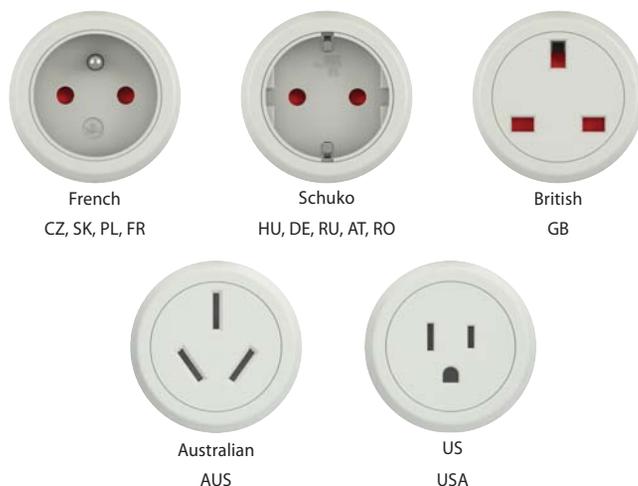
Technical parameters	RFDSC-71/230V	RFDSC-71/120V
Supply voltage:	230 - 250 V / 50-60Hz	120 V AC / 60Hz
Apparent power:	1.1 VA	
Dissipated power:	0.8 W	
Supply voltage tolerance:	+10/ -15 %	
Dimming load:	R, L, C, LED, ESL	
<b>Output</b>		
Contactless:	2 x MOSFET	
Load capacity:	300 W*	150 W*
<b>Control</b>		
RF command from the transmitter:	866 MHz, 868 MHz, 916 MHz	
Range in open space:	up to 160 m	
Manual control:	button PROG (ON/OFF)	
<b>Other data</b>		
Operating temperature:	-20 up to + 35 °C	
Storage temperature:	-30 up to +70°C	
Working position:	any	
Mounting:	plug into a socket	
Protection:	IP30	
Overvoltage category:	III.	
Contamination degree:	2	
Dimensions:	62 x 66 x 102 mm	
Weight:	129 g	
Related standards:	EN 60669, EN 300 220, EN 301 489 R&TTE Directive, Order. No 426/2000 Coll. (Directive 1999/EC)	

\* Due to the huge amount of type of light sources, the maximum load depends on internal construction of dimmable LED and ESL bulbs and their power factor  $\cos \varphi$ , capacity for power factor  $\cos \varphi=1$ . The power factor of dimmable LEDs and ESL bulbs ranges from  $\cos \varphi = 0.95$  up to 0.4. An approximate value of maximum load may be obtained by multiplying the load capacity of the dimmer by the power factor of the connected light source.

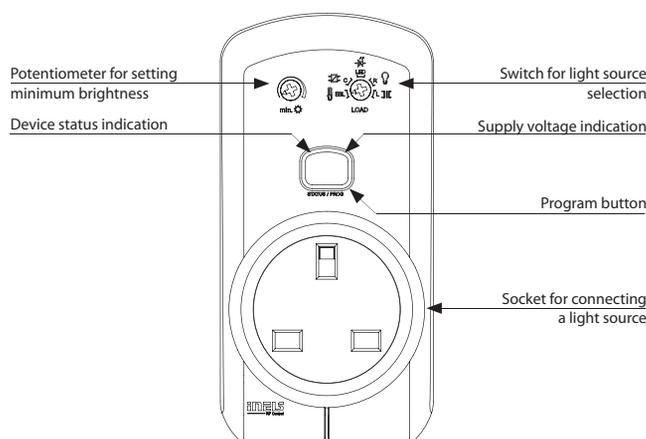
You can find the list of dimmable light sources here:



- The dimmed socket is used to control light sources that are connected by power cord - especially lamps:
  - R – classic lamps
  - L – halogen lamps with wound transformer
  - C – halogen lamps with electronic transformer
  - ESL – dimmable energy-efficient fluorescent lamps
  - LED – LED light sources (230 V).
- They can be combined with detectors, controllers, iNELS RF Control or system components.
- Thanks to the socket design, installation is simple by direct insertion into the existing socket.
- Output load 300 W.
- Multi-function 6 light functions - smooth increase or decrease with time setting 2 s-30 min.
- When switched off, the set level is stored in the memory, and when switched back on, it returns to the most recently set value.
- Thanks to setting the min. brightness by potentiometer, you will eliminate flashing of the LED and ESL light sources.
- The universal dimmer may be controlled by up to 32 channels (1 channel represents 1 button on the controller).
- The programming button on the socket is also used for manual control of the output.
- Memory status can be pre-set in the event of a power failure.
- Range up to 160 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20 or protocol component RFIO<sup>2</sup> that support this feature.
- Communication frequency with bidirectional protocol iNELS RF Control<sup>2</sup> (RFIO<sup>2</sup>).
- Produced in 5 designs of sockets and plugs:



**Device description**



**Function**

For more information see p. 65.