RFDA-71B - 250W Dimming Receiver

- Create lighting scenes and moods
- Allows the dimming of dimmable CFLi's, halogen lamps, low-voltage halogen lights with a dimmable transformer as well as standard tungsten filament
- 7 programmable functions: 6 various dimming functions plus ON/OFF
- Easy operation: short press will turn the light ON or OFF, a long press dims the lights UP or DOWN to the required level
- The dimming receiver can be controlled by up to 32 transmitters
- Electronic over-voltage protection - switches off the output when the dimmer is overloaded or open circuit
- The programming is performed by using the button 'PROG' which also acts as a manual override
- Can be mounted inside a 35mm deep back box or behind the light fitting

Technical Details

Supply voltage:	230V AC
Apparent consumption:	8.3 VA / cos φ = 0.1
Loss consumption:	0.83W
Tolerance of supply voltage:	+10 -15 %
Connection:	3-wire, with "NEUTRAL"
Output	
Resistive load:	250VA
Capacitive lod:	250VA
Inductive load:	250VA
Output	
Packet from transmitter:	868 MHz
Emergency control:	PROG (ON/OFF)
Range in open space:	Up to 160M
Other data	
Operational temperature:	-15 °C to +55 °C (5 °F to 131 °F)
Operational position:	any
Mounting:	loose on input wires or 35mm deep back box
Protection degree:	IP 30
Overvoltage category:	III.
Pollution level:	2
Output wires:	3 x 0.75 mm²
Output wire length:	90 mm (3.5″)
Dimensions:	49 x 49 x 21 mm (1.9″x 1.9″x 0.8″)
Weight:	40 g (1.4 oz.)
Applying standards:	EN 60669, EN 300 220, EN 301 489
	Directive RTTE, NV No.426/2000Sb(Directive 1999/ES)
Warranty	12 Months

Programmable Functions (Dimmer Unit)

Function 1	Function 2
a. A short press on the programmed button of 0,5 seconds switches the lights 'ON' or lights 'OFF'.	a. A short press on the programmed button of less than 3 seconds switches the lights 'ON' or lights 'OFF'.
b. Pressing and holding the button when 'ON' for longer than 0,5 seconds the lights start to dim up or down. After the button is released the light scene is stored into the memory. When quick pressing 'ON' in future the lighting level that was previously set is restored.	b. Pressing and holding the button when 'ON' for longer than 3 seconds the lights start to dim up or down. After the button is released the light scene is stored into the memory. When pressing 'ON' in future the lighting level that was previously set is restored.
c. The set lighting scene can be changed simply by repeating section 'b' above.	c. The set lighting scene can be changed simply by repeating section 'b' above.

Function 3	Function 4
a. A short press on the programmed button of 0,5 seconds switches the lights 'ON' with a 3 second fade up, or lights 'OFF' with a 3 second fade down.	a. A short press on the programmed button of 0,5 seconds switches the lights 'ON', or lights 'OFF' with a 3 second fade down.
b. Pressing and holding the button when 'ON' for longer than 0,5 seconds the lights start to dim up or down. After the button is released the light scene is stored into the memory. When quick pressing 'ON' in future the lighting level that was previously set is restored.	b. Pressing and holding the button when 'ON' for longer than 0,5 seconds the lights start to dim up or down. After the button is released the light scene is stored into the memory. When quick pressing 'ON' in future the lighting level that was previously set is restored.
c. The set lighting scene can be changed simply by repeating section 'b' above.	c. The set lighting scene can be changed simply by repeating section 'b' above.

Function 5	Function 6	Function 7
a. On pressing the programmed button the lights start to fade up to MAX. over a defined interval (2 sec- 30min).	a. On pressing the programmed button the lights start to fade down to OFF over a defined interval (2 sec- 30 min).	a. Functions the same as an 'ON' and 'OFF' switch.

Description

- Indication of device state
- Programming button (Manual override)
- Output to an appliance
- Neutral wire
- Live wire

Connection

RFDA-71B R

RFDA-71B L/C