RFDAC-71B - 0(1)-10V Analogue Output Dimming Receiver With Switching Relay

- The receiver is designed for continous regulation of device, which is operated by voltage 0(1)-10 V
- It is suitable for:
    - dimming of fluorescent lights -in combination with dimmable ballast
    - controlling of power dimmers
    - controlling of thermo-regulators such as thermo-valves, ventilation etc.
- Easy operation:
    - short press of transmitter button will close/open the circuit of appliance and set the analog output voltage onto its last set level
    - long press enables an analog output voltage regulation in range 0(1)-10 V
- One receiver can be operated by up to 32-channels(1 channel represents 1 button on the wireless push-button, key fob or RF Touch unit)
- Enables output switching in mode: 0-10 V max.10 mA or 1-10 V max.10 mA
- RFDAC-71B: multifunction - 7 programming functions:
- Programming and manual operation is performed by using the Prog button

Technical Details

Supply voltage:	110V - 230V AC
Apparent input:	3 VA / cos φ = 0.1
Dissipated power:	1.2 W
Tolerance of supply voltage:	-15 %; +10 %
Potential-free analog output/ max. current	0(1)-10V / 10mA
Control	
Packet from transmitter:	868 MHz
Emergency control:	PROG (ON/OFF)
Range:	up to 200 m/ 656.2 '
Number of contacts:	1x SPDT AgSnO2, switches a phase conductor
Rated current:	16A / AC1
Switched output:	4000VA / AC1
Switched voltage:	250V AC1
Mechanical life:	3x107
Electrical life (AC1):	0.7x105
Indication:	red LED
Choice of output:	0(1)-10V / button PROG
Other data	
Operating temperature:	-15 °C to +55 °C (5 °F to 131 °F)
Operating position:	any*
Mounting:	loose on input wires
Protection degree:	IP 30
Overvoltage category:	III.
Pollution level:	2
Output wires:	solid wires CY, 5x0.75 mm2 (AWG 18)
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, No.426/2000Sb(directive1999/ES)
Warranty:	12 Months

Programmable Functions

Function 1

a. A short press on the programmed button of 0,5 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.

c. The set lighting scene can be changed simply by repeating section 'b' above.

Function 2

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 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.

Function 3

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.

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.

Function 4

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.

c. The set lighting scene can be changed simply by repeating section 'b' above.

Function 5

a. On pressing the programmed button the lights start to fade up to MAX. over a defined interval (2 sec- 30min).

Function 6

a. On pressing the programmed button the lights start to fade down to OFF over a defined interval (2 sec- 30 min).

Function 7

a. Functions the same as an 'ON' and 'OFF' switch.

Connection

RFDAC-71B

0(1)-10V

230V~

V1.0