

# User manual

version 1.0

## DALIrfc



Radio remote control for DALI bus

12 programmable push buttons

As a part of RFC set is receiver and transmitter

“Plug and Play”

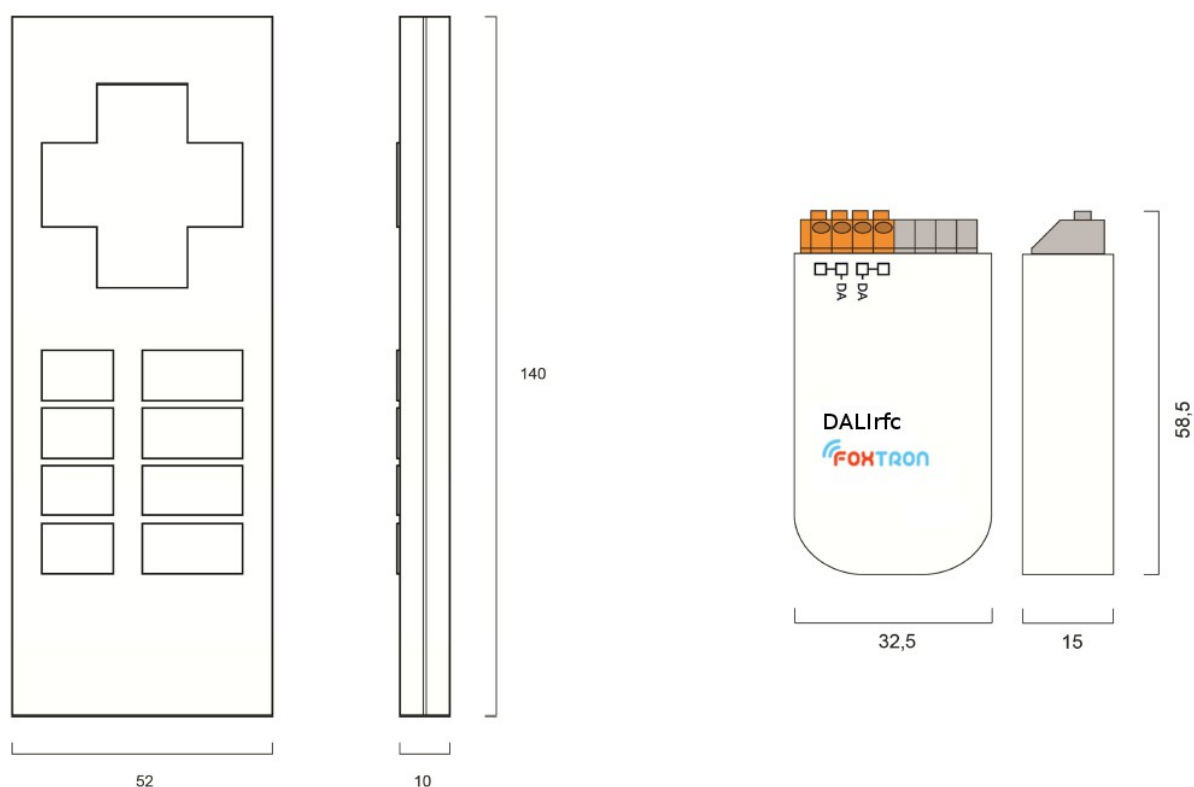
„Power up“ function

Receiver is powered from DALI bus

White or black color

Technical specification		
bus	DALI	
Power of transmitter	Battery CR2032 3V	
Power of receiver	From DALI bus	
Battery life	6	year
Typical current consumption (receiver)	3,8	mA
Frequency	2,4 Ghz	
Range	300	m
Ingress protection	IP20	
Ambient working temperature	0 ÷ 50	°C
Storage temperature	-10 ÷ 50	°C
Weight of transmitter / receiver	40 / 12	g
Dimensions transmitter (width x height x depth)	140 x 52 x 10	mm
Dimensions receiver (width x height x depth)	59 x 33 x 15	mm

### Dimensions (in mm)



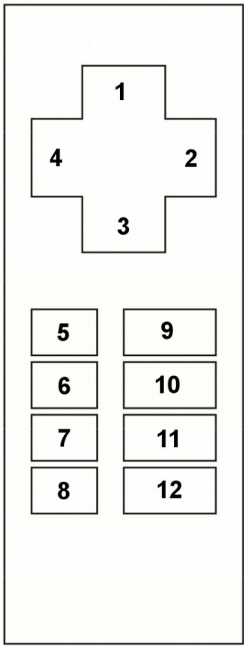
## Function

DALIrfc is remote control for sending commands to the DALI bus. 12 preset buttons can be adjusted by user. Each button sends messages to addresses (up to four addresses on each button), groups or broadcast. It can also recall preset scenes. There can be short press, long press, “toggle” press, press dependent on actual state of luminaire or stairwell function. One receiver can communicate with multiple remote control and one remote control can communicate with multiple receivers. List of function can be set to the each button is shown in the following table.

List of functions	
1	<ul style="list-style-type: none"> <li>• Short press or long press sends one time command X.</li> </ul>
2	<ul style="list-style-type: none"> <li>• Short press sends one time command X.</li> <li>• Long press sends one time command X and then one time command Y.</li> </ul>
3	<ul style="list-style-type: none"> <li>• Short press sends one time command X.</li> <li>• Long press sends one time command X and then repeatedly command Y every 200ms.</li> </ul>
4	<ul style="list-style-type: none"> <li>• Short or long press sends alternately command X and Y. First command X is sent.</li> </ul>
5	<ul style="list-style-type: none"> <li>• Short or long press sends alternately command X and Y. First command X is sent.</li> <li>• - If the light is being switched off command X is always sent.</li> <li>• - If the light is being switched on command Y is always sent.</li> </ul>
6	<ul style="list-style-type: none"> <li>• Short press sends alternately command X and Y. First command X is sent.</li> <li>• - If the light was turned of, command X is always sent.</li> <li>• - If the light was turned on, command Y is always sent.</li> <li>• Long press will alternately dim up or dim down.</li> <li>• - If the light was dimmed down, it is dimmed up.</li> <li>• - If the light was dimmed up, it is dimmed down.</li> </ul>
7	<ul style="list-style-type: none"> <li>• Short press or long press sends one time command X. After set time command Y is sent.</li> </ul>
8	<ul style="list-style-type: none"> <li>• Short press sends one time command X.</li> <li>• Long press sends repeatedly command Y every 200ms.</li> </ul>
9	<ul style="list-style-type: none"> <li>• Short press sends one time command X and then repeatedly command Y every 200ms (without the necessity of long press).</li> </ul>

## Installation

Receiver to DALIrfc is connected directly to DALI bus from which it is powered. To power the DALI bus use special power supply [DALIpwr](#). Range of remote control is dependent on surrounding obstacles. In ideal circumstances in open space the range is up to 300 meters. Factory setting is shown in the table below. Adjusting function of each button is done by program [DALIconfig](#).

 <p>The diagram shows a remote control interface with a central cross-shaped button layout and a grid of 12 numbered buttons below it. The cross-shaped buttons are numbered 1 (top), 2 (right), 3 (bottom), and 4 (left). The grid buttons are numbered 5 through 12 in two columns: 5, 6, 7, 8 on the left and 9, 10, 11, 12 on the right.</p>	1	Broadcast: Recall Max level
	2	Broadcast: Up
	3	Broadcast: Off
	4	Broadcast: Down
	5	Group 0: on/off
	6	Group 1: on/off
	7	Group 2: on/off
	8	Group 3: on/off
	9	Scene 0
	10	Scene 1
	11	Scene 2
	12	Broadcast: dimming slowly down and OFF