Parameters

Electrical Parameters:	
Input voltage	85-265V AC, 50/60Hz
Power consumption	2.7W max.
0-10VDC output for each channel	0-30mA
Wireless transmission power	+10dbm
Wireless sensitivity	-90dbm
Indoor communication distance	<=30m

Frequency allocation:	
WPAN (China)	780 to 786MHz
SRD (Europe)	864 to 870MHz
ISM (North America)	904 to 928MHz
Default PSK	Piero-SecurityKey0

Environmental Conditions:	
Working temperature	-5°~45°C
Working relative humidity	Up to 90%
Storage temperature	-20°~+60°C
Storage relative humidity	Up to 93%

Approved:
CE, RoHS

Product Information:	
Dimensions	44x36x17mm
Net weight	25.5g
Housing material	PC
Installation	Wall box
Protection rating	IP20
Fire and neutral line	1.5mm2 (the module provides 15cm wire)
Stripping length	5~7mm

Important Notes

- Check the connection - Make sure all connection is correct.

- The subnet ID, frequency, band, password of wireless 0-10V dimmer should be same as mesh gateway.

- 0-10V DC output for each channel is 0-30mA.
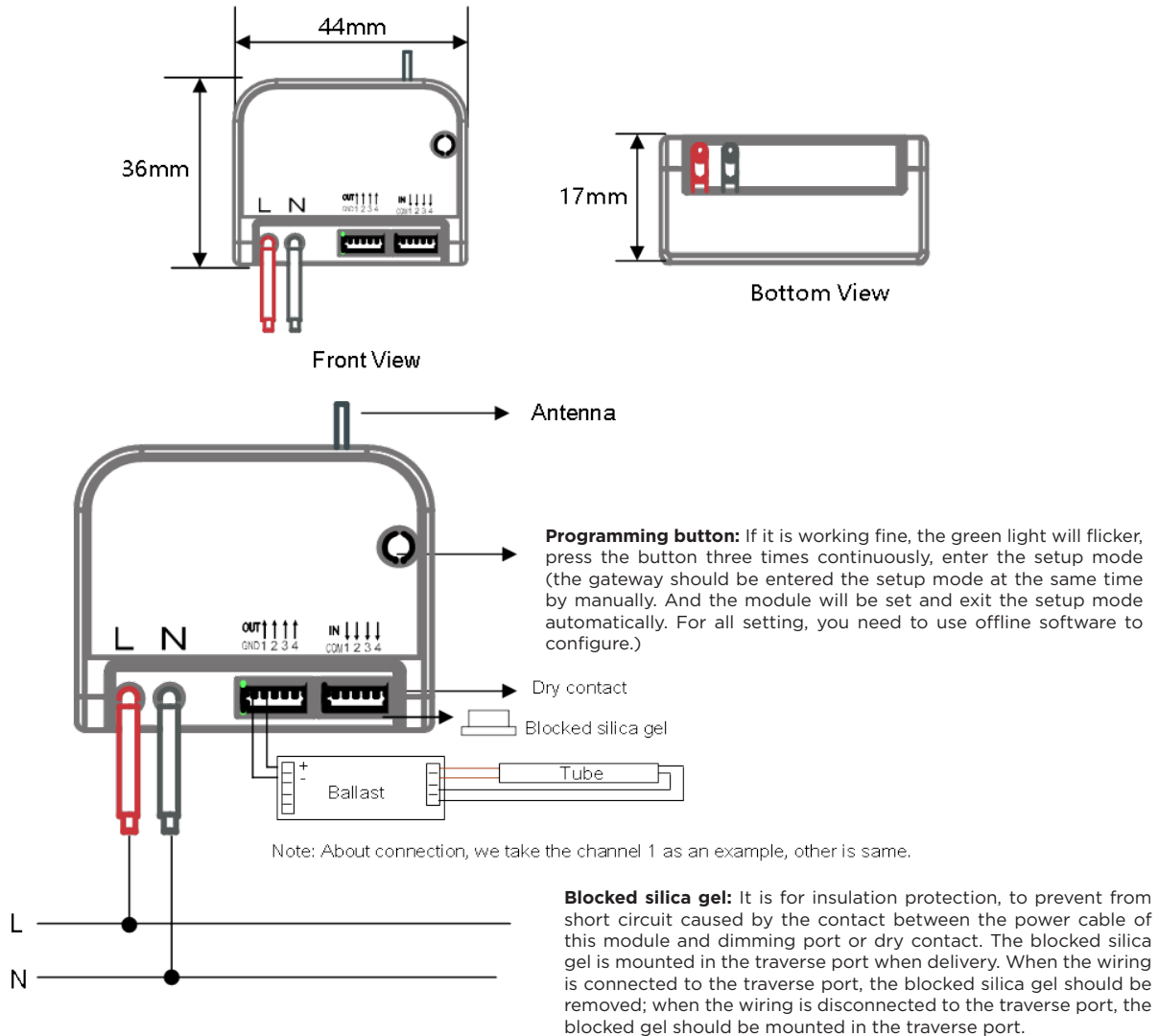
Overview

W-BAL4 PieroNet Wireless 4CH DC0-10V Dimmer. It has 4CH for 0-10V output, you can adjust the LED value by electronic ballast. And it has 4CH dry contact, can control target by switch. This module should be configured with mesh gateway.

Functions

- 4CH dry contact input and DC 0-10V output.

- Has dimming curves, according to your setting, you can select 1.0, 1.5, 2.0, 3.0 exponent.

- The 4CH dry contact supports electronic switch and mechanical switch, can control the target and has dimming function.

- Supports IEEE.802.15.4

- Supports online upgrading

- Supports easy programming

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1/2

PIERO
INFINITY CONTROL

Dimmensions and Wiring

44mm

36mm

L N OUT GND 1 2 3 4 IN COM 1 2 3 4

Front View

17mm

Bottom View

Antenna

Programming button: If it is working fine, the green light will flicker, press the button three times continuously, enter the setup mode (the gateway should be entered the setup mode at the same time by manually. And the module will be set and exit the setup mode automatically. For all setting, you need to use offline software to configure.)

L N OUT GND 1 2 3 4 IN COM 1 2 3 4

Dry contact

Blocked silica gel

+ −
Ballast

Tube

Note: About connection, we take the channel 1 as an example, other is same.

L

N

Blocked silica gel: It is for insulation protection, to prevent from short circuit caused by the contact between the power cable of this module and dimming port or dry contact. The blocked silica gel is mounted in the traverse port when delivery. When the wiring is connected to the traverse port, the blocked silica gel should be removed; when the wiring is disconnected to the traverse port, the blocked gel should be mounted in the traverse port.

Safety Precautions ⚠ WARNING

■ This device is wall box installation, in order to avoid the fire disaster when the device damage, cannot install it without the wall box.

■ Avoid contact with liquids and aggressive gases.

■ Ensure good ventilation.

Package Contents

■ W-BAL4, Datasheet x1, Cable (15cm) x1

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2/2