Parameters

Electrical Parameters:	
Working voltage	DC15-30V
Static power consumption	35mA/DC24V
Dynamic power consumption	160mA/DC24V
Communication	PieroNet
PieroNet terminal	0.75-0.85mm single-core cable

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	144×90×56.3mm
Net weight	375g
Housing material	Nylon
Installation	35mm Din rail installation
Protection rating	IP20

PieroNet Cable Guide

CAT5/CAT5E	PieroNet
Brown / Orange	24V DC
Brown white / Orange white	COM
Blue white / Green white	DATA-
Blue / Green	DATA+

Installation Steps

- ■ 35mm Din rail installation, inside DB Box.
- ■ Mark up each output connection cable.
- ■ Connect the load and PieroNet cable.
- ■ Check the connection, avoid any mistakes.
- ■ Separate the high power cable and PieroNet cable.

Important Notes

- ■ During the analogy function setting (such as, temperature, luminance, humidity, pressure), the measurement resolution can not be set too low, or it will affect the accuracy of the measurement conversion. The higher measurement resolution is set (There are more points in the direction of the X axis), the more accurate measurement result will be acquired.

- ■ Taking temperature measurement as an example:

- ■ Connect a sensor with measurement range from 0°C to 100°C, when the curve is only set 10 points with 10°C for an interval , the deviation is as large as 10°C .

- ■ So it is recommended to set: The curve is set 1000 points with 0.1°C for an interval, then the deviation is as small as 0.1°C .

Overview

The COMBO-2 Hotel I/O module is a mix module. It has dimming function of MOSFET tube, relay, curtain control, dry contact and three LED outputs functions. The 3 indicators of the indoor door bell can be controlled by the panel universal switch. The output channel parameters can be set via PieroNet Software. After setting, the targets (curtains, lights, fans etc,) can be controlled by the panel.

Functions

OUTPUTS

- ■ Channel 1 and 2 are MOSFET tube dimming outputs, total current should not exceed 2A. They are must not connected to the inductive loads.
- ■ Channel 3 to 12 are switch outputs, each channel is 5A;
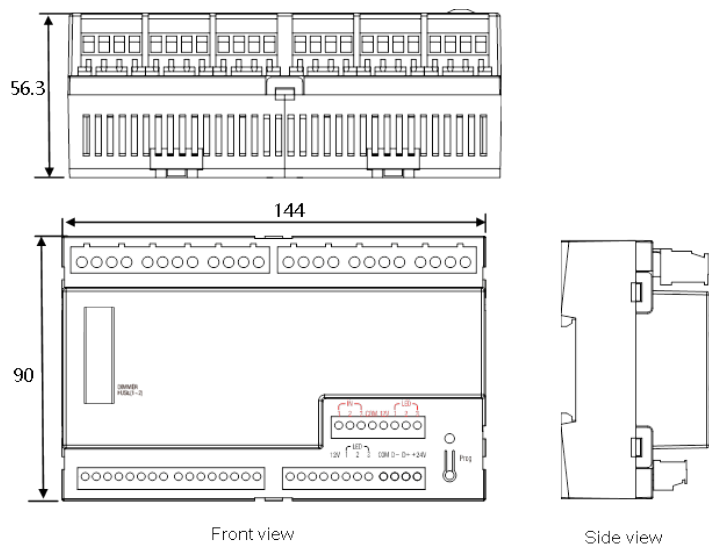- ■ Channel 9 and 10, 11 and 12 can be used for curtain control.

INPUTS

- ■ 14-channel dry contact input;
- ■ 3-channel indoor doorbell control and 3-channel indicator output;
- ■ 1-channel outdoor door bell control and 3-channel indicator output;
- ■ 1-channel door bell control.

Important Notes

- ■ Installation-35mm Din rail installation, inside DB Box.
- ■ Bupro cable - Cat5E or PieroNet cable, 0.8mm single-core copper cable.
- ■ Check connection-Connect to the load and PieroNet, check all output connection.
- ■ PieroNet connection - Hand-in-hand.
- ■ Load types-incandescent lamp, halogen lamp, low-voltage halogen lamp etc.
- ■ The dimming temperature should not exceed 45°C

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Dimmensions and Wiring
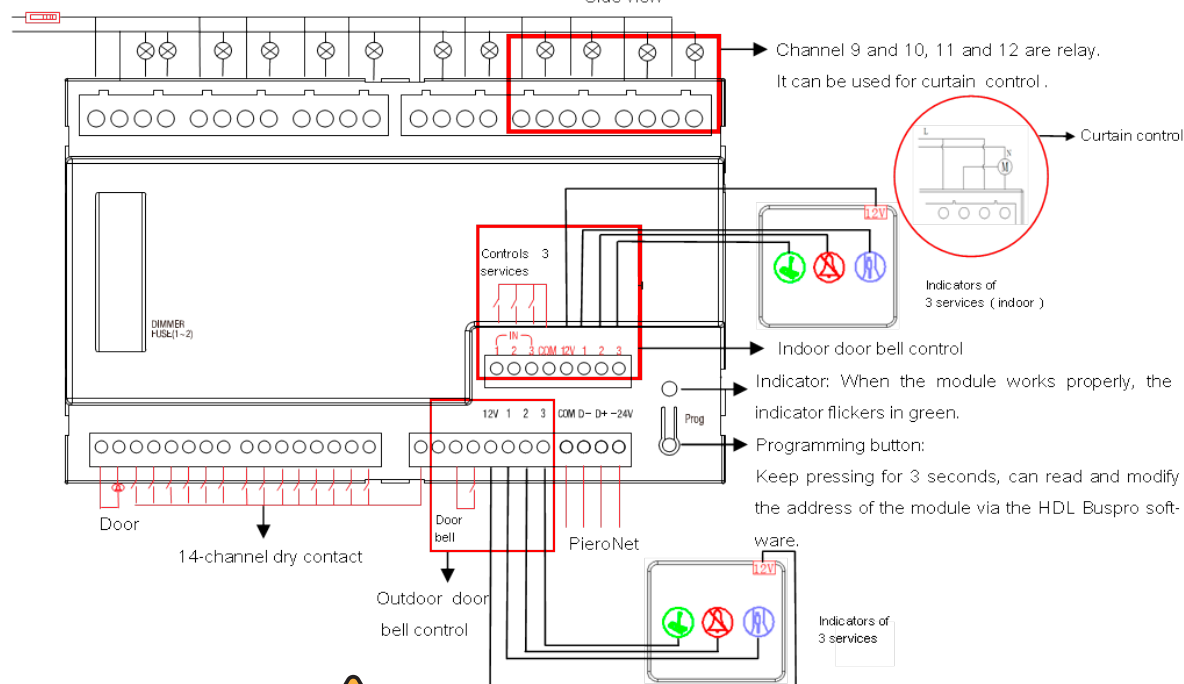

56.3

144

90

Front view

Side view

Note:

When the door bell is installed indoors and outdoors, there are three services: Wait, DND and Clean. The indoor door bell and outdoor door bell display same status.

Indoor door bell control: It can control three services by normal switch and universal switch of Piero intelligent panel.

Use common switch No.1,2,3 to control the Wait, DND, Clean LED indicators.

Use UV switch No.13,14,15 to control the Wait, DND, Clean LED indicators.

Outdoor door bell control: Can only control the door bell. If it is DND, you cannot control the door bell.

Channel 9 and 10, 11 and 12 are relay. It can be used for curtain control .

Curtain control

Controls 3 services

Indicators of 3 services (indoor)

Indoor door bell control

Indicator: When the module works properly, the indicator flickers in green.

Programming button: Keep pressing for 3 seconds, can read and modify the address of the module via the HDL Buspro software.

DIMMER FUSE(1~2)

Door

14-channel dry contact

Door bell

PieroNet

Outdoor door bell control

Indicators of 3 services

Safety Precautions ⚠ WARNING

- ▪ The screw down strength should not exceed 0.4Nm.
- ▪ Do not make wrong connection on PieroNet interface, it will damage the PieroNet interface of this module.
- ▪ Avoid contact with the rain or water module, it will damage this device.
- ▪ Do not get AC power into PieroNet wire , it will damage all devices in the system.
- ▪ Avoid contact with liquids and corrosive gases.

Package Contents

- ▪ COMBO-2, Datasheet x1

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