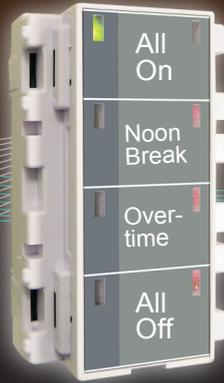




IS SERIES



Smart for Greenlife!

Features

- Can be mounted like a traditional switch, or panel mounted
- Each button is equipped with status LEDs: red (ON) / green (OFF)
- Can be configured manually or through software
- Both data and power is carried through the one cable that is connected to the LT unit
- Each button can be user labeled
- Easy configuration through its auto-learning capability
- FCC and CE certified

Overview

The IS45 is a digital switch of the Smart Lighting Control System that has small footprint and can be mounted in multiple ways (either wall mounted like a traditional switch or on a panel). The IS45 is equipped with an RJ11 jack which can be connected to an LT unit using 4C flat phone cable. This cable carries both the data and power. Thus the IS45 does not require a separate power supply.

The IS45 can also be easily configured using its on board DIP and rotary switches that can be found on its rear. Each button is flanked by a red and green LED which shows the real time status of the lights associated with the button.

3 Ways to Configure

Manual Configuration



A screwdriver is all that's needed to configure manually. Manual configuration can be used when there are 30 LT units or less.

Configuration using software running on a PC



USB to D-Bus adapter

Used when there is more than 30 LT units

Configuration using the handheld setting device



Used when there is more than 30 LT units

Operating Modes

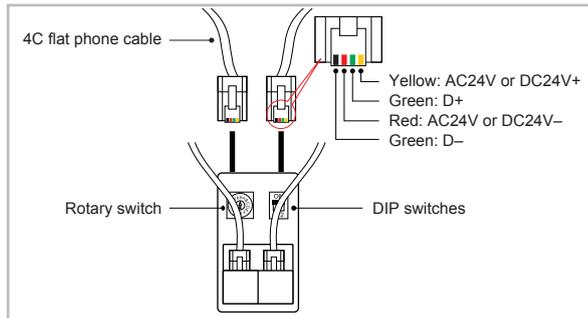
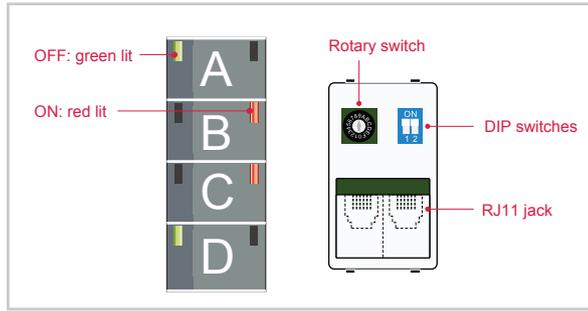
A simplified configuration method can be achieved manually by using a simple screwdriver as the only tool. In manual configuration, all modes are available except for the arbitrary mode, and the number of LT units must be 30 or less.

- **Single Mode**
The address of the target LT unit is set on the IS45, each of the buttons on the IS45 would then match its corresponding channel on the LT unit.
- **Group Mode**
Each button on the IS45 is assigned to a different group. Each group consists of multiple relays that operate as if they were a single circuit. All the lighting that belongs to the same group will then turn on and off at the same time.
- **Pattern Mode**
Each button on the IS45 is assigned to a different pattern. Each pattern consists of multiple relays that are gathered together to form a pattern with a combination of both on and off. Patterns can only be activated, each press of the same button will only reactivate the same pattern.
- **All On/Off**
When this mode is selected. The second button will turn on all the lighting, while the third button will turn off all the lighting.
- **Arbitrary Mode**
This mode can only be configured using either the special handheld setting device or through software. It allows any button to be arbitrarily assigned any relay channel.

DIP	Rotary	Mode	Description
(0,0)	0	Software Setting	Select when using handheld setting device or by software
	1-F	Single 4	Matched with any 4 channeled LT unit with addresses 1 to 15
(1,0)	0	Single 4	Matched with any 4 channeled LT unit with address 31
	1-F	Single 4	Matched with any 4 channeled LT unit with addresses 16 to 30
(0,1)	0	Single 1	Matched with an LT1050 with addresses 61 to 64
	1-F	Single 1	Matched with an LT1050 with addresses 1 to 60
(1,1)	0	All ON/OFF	Toggles all the lights ON/OFF
	1-9	Group	Groups 1 to 36
	A-F	Pattern	Patterns 64 to 87

Only software can be used to configure each button individually, for example, button 1 is set to single, button 2 is set to group, button 3 is also set to single, button 4 is set to group

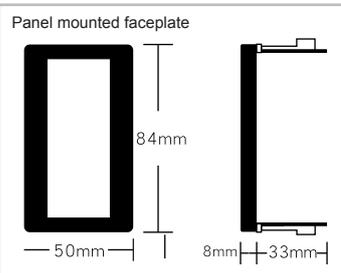
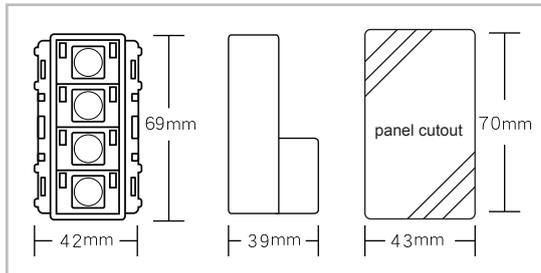
Interface Elements



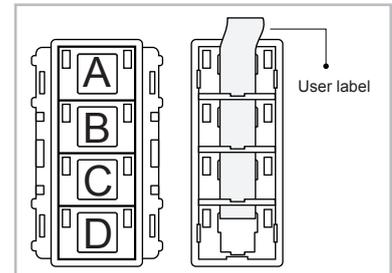
Specifications

Network Bus	D-Bus
Setting By	<ul style="list-style-type: none"> •Manual •Handheld setting device •Software running on PC
Labeling	User created labels can be inserted in the transparent window slot on each button
Mounting	<ul style="list-style-type: none"> •Can be mounted within the traditional switch box enclosure •Occupies the space of a one gang switch •Can be panel mounted using the specially designed support frame
Input Power	No separate power needed, power is derived from the LT unit to which it is connected
Cable Interface	4c flat phone cable with two wires carrying the digital signal and two wires carrying power terminated with RJ11 plugs
Operating Temperature	0 to 50°C
Operating Humidity	10 to 90%RH (non-condensing)
Number of Buttons	4
Button LED	2 LEDs for each button, one red (ON) and one green (OFF)
Weight	50 g
CE Certifications	EN6100-3-2 / EN61000-3-3 / EN55022 / EN55024 EN61000-4-2 / EN61000-4-3 / EN61000-4-4 / EN61000-4-5 EN61000-4-6 / EN61000-4-8 / EN61000-4-11
FCC Certifications	FCC PART 15 (47CER Ch. 1;10-1-08 Edition)

Dimensions



Labeling



Mounting Options

(Mounting accessories sold separately)



Ordering

Order Code	Description
IS45	4 button digital switch (mounting frame not included)
IS45-PMB	Panel mounting frame for IS45

Note: faceplate and switch box not included and are sold separately

*This datasheet is for reference only, specifications subject to change without notice