

SCL-1ZBS Roller Shutter Control

Providing Automatic and Remote Control of Roller Shutters



The SCL-1ZBS is a ZigBee roller shutter control designed for roller shutters with control modules. Directly connecting to the control modules of roller shutters, the SCL-1ZBS provides automatic control of roller shutters as well as enabling the user to remotely or manually roll up/down and stop the window coverings. The SCL-1ZBS also serves to integrate the operation of roller shutters into other home automation activities.

The SCL-1ZBS has three outputs that send “roll up,” “roll down,” and “stop” signals to command roller shutters’ movements. It also has three local switches/inputs that allow the user to manually control the window coverings. The SCL-1ZBS’ phototransistor optocoupler transfers electrical signals between the isolated circuits of the SCL-1ZBS and roller shutters’ control modules using light. Requiring a 5V DC supply voltage, the SCL-1ZBS uses the power supplied by roller shutters’ control modules or an external power source. Its maximum current and load are 40mA and 0.2W respectively.

The SCL-1ZBS adopts the ZigBee Pro HA 1.2 standard and is compatible with other manufacturers’ ZigBee products. Its LED indicates proper ZigBee network operation and connectivity. The device can be flexibly incorporated into new or existing ZigBee systems.

- Designed for roller shutters with control modules
- Automatically rolls up/down and stops roller shutters
- Optional manual control of roller shutters
- Compatible with other manufacturers’ ZigBee products

Features

- Designed for roller shutters with control modules
 - Provides automatic, remote, and manual control of roller shutters
 - Integrates the operation of roller shutters into other home automation activities
 - Three outputs command roller shutters to roll up/down or stop
 - Three local switches/inputs allow for optional manual control of roller shutters
- Phototransistor optocoupler transfers electrical signals between the isolated circuits of the SCL-1ZBS and roller shutters’ control modules using light
 - Operates on a low-voltage 5V DC power source
 - Uses the power supplied by roller shutters’ control modules or an external power source
 - LED confirms proper ZigBee network operation and connectivity
 - Compatible with other manufacturers’ ZigBee products
 - CE compliance

Specifications

Communications protocol	ZigBee Pro HA 1.2
Data rate	250kbps
Frequency	2.4 GHz
Power source	5V DC
Maximum current	40mA
Maximum load	0.2W
Operating temperature	-10°C to +45°C
Operating humidity	Up to 85% non-condensing
Dimensions	71.1mm x 49mm x 26mm