



Switcher DIN Tx / Rx™

DIN Rail ZigBee HC-L Switching Units – Basic Guide

Summary

Switcher Tx and Switcher Rx are ZigBee radio devices for remote control switching. Switcher Tx provides up to 3 control switch inputs. Switcher Rx provides up to 8 outputs for driving relays. If required, a control switch input can control several output relays; multiple inputs can control one relay.

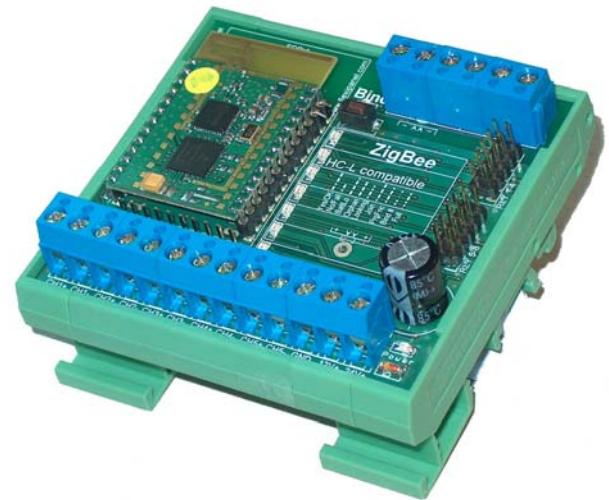
This data sheet is the *Basic Guide* and only discusses the most common switching applications. Refer to the *Advanced Guide* for details on extra features which are available, including failsafe alarm switches.

Features

- Tx has 3 inputs for connection to pushbutton or latching switch.
- Rx has 8 output channels for driving relays
- 2 connectors for 4-channel relay accessory boards
- Part of a family of compatible products such as mains load controllers, key fobs, wall switches, etc.
- Zigbee mesh messaging for extended range
- Signature 'G' antenna, free-space range 120m, compact, low 'hand-effect' design. (In-building range may be lower.)
- FCC / CE compliant
- Wide temperature range -40°C to +85°C
- Tx power: 2 x AA battery, or 3V-24V DC
- Rx power: 3V-24V DC

Applications

- Lighting control
- Appliance remote control
- Security and burglar alarms
- Access control systems
- Electrically isolated switching



Manufactured to ISO9001:2000



Ordering Information

Table 1. Ordering information	
Part No	Description
SW DIN Tx BAT ED	3-input ZigBee switch, battery or DC line powered
SW DIN Rx LP RT	8-output ZigBee load controller / router, DC line powered
SW DIN Rx LP CD	8- output ZigBee load controller / coordinator, line DC line powered
230	4-channel relay board