

## ClickOn Bus 4 Ch Relay Module Din Rail CB-REL-104



### Product Features

- ClickOn Bus output unit suitable for switching resistive loads up to 2A
- 4 Independent channels each with a voltage free normally open relay contact
- DIN rail mounted (4 modules wide)
- Connects to the ClickOn Bus network via 2 RJ45 connectors
- Can be controlled from any ClickOn Bus input unit such as ClickOn Bus Wallswitches, a ClickOn Remote Control via a ClickOn Bus RF Transceiver module connected to the network or a ClickOn Remote Commander
- Multiple input units can be programmed into the relay module allowing multi-way switching from different locations
- Programming can be done through a simple to use learning procedure or from a PC using the CLBUS Installation software
- Power failure memory
- Programmable operating modes to suit different applications e.g. gate motor control, irrigation control or incandescent low wattage lighting (can be set for each channel independently)

### Specifications

- Model: CB-REL-104
- Maximum switching current @ 230V~



General purpose resistive: 460W (2A)

- Bus side supply voltage: 15-24VDC (via bus network cable)
- Bus side supply current: 100mA maximum
- Memory capacity (linked devices): 32 per channel
- Ambient Temperature: 0 – 40 °C
- Ingress Protection: IP20
- Dimensions: 70mm (width) x 58mm (height) x 86mm

### Status LEDs

- Green: Relay OFF
- Red: Relay ON
- Flashing amber: Program mode active

### Operation

- To link a ClickOn Bus Wallswitch button to a relay module channel without using the CLBUS installation software:
  - Enter program mode by pressing and holding one of the channel buttons on the relay module until the LED starts flashing amber
  - Press and hold the wallswitch button until the wallswitch LED flashes at a faster rate
  - Press and release the relay module button to exit program mode
- Operation from a ClickOn Bus Wallswitch:
  - Press and release the wallswitch button to operate the relay module
- To change the mode of a channel without using the CLBUS installation software:
  - Press and hold the MODE button. The number of flashes on each channel LED indicates the current mode for that channel (see Operating Modes)
  - While pressing the MODE button, press and hold one of the channel buttons to change the mode for that channel

### Operating Modes

1. ON/OFF: Relay output switches on or off when receiving a on, off or toggle command from an input device (the output state will be restored after a power failure for this mode only)
2. Momentary: Relay contact remains closed as long as any command is received from an input device
3. 1 Second Pulse: Relay output pulses 1 second when any command is received
4. 3 Second Pulse: Relay output pulses 3 seconds when any command is received
5. Irrigation 15min: Relay stays on for maximum 15 minutes after receiving an on command or until an off command
6. Irrigation 30min: Relay stays on for maximum 30 minutes after receiving an on command or until an off command
7. Irrigation 45min: Relay stays on for maximum 45 minutes after receiving an on command or until an off command
8. Irrigation 60min: Relay stays on for maximum 60 minutes after receiving an on command or until an off command
9. Programmable Pulse Length: Same as modes 3 and 4 but the pulse length can be set from 1 to 255 seconds (via CLBUS software)
10. Programmable Irrigation Time: Same as modes 5 to 8 but the timeout period can be set from 1 to 255 minutes (via CLBUS software)
11. Change over: Channels 1 and 2 or Channels 3 and 4 can be used in combination for curtain or projector screen controllers. (see *Application Note: Relay Module Change Over Mode*)

### Wiring Diagram

