





## ClickOn Bus 900W Din Rail Dimmer CB-DIM-20



### Product Features

- ClickOn Bus output unit suitable for dimming incandescent or halogen and low voltage lighting
- Two dimmer operating modes (jumper selectable):
  - Trailing edge for resistive (incandescent) and capacitive loads (electronic transformers)
  - Leading edge for resistive (incandescent) and inductive loads (magnetic transformers)
- 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
- Optional external pushbutton control input
- Multiple input units can be programmed into the dimmer 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
- Bus network connections and external pushbutton connection are optically isolated from output (mains) side
- Programmable soft turn ON and turn OFF (fade) rate
- Programmable minimum and maximum brightness levels

### Specifications

- Model: CB-DIM-20
- Mains side supply voltage: 220-240V~ 50Hz
- Minimum load: 10W @ 230V~
- Maximum load: 4A (920W @ 230V~)
- Load types:
  -  220V Incandescent Lamps
  -  220V Halogen Lamps
  -  Low voltage electronic transformers
  -  Low voltage magnetic transformers
- Bus side supply voltage: 15-24VDC (via bus network cable)
- Bus side supply current: 20mA maximum
- Memory capacity (linked devices): 32
- Ambient Temperature: 0 – 40 °C
- Ingress Protection: IP20
- Dimensions: 70mm (width) x 58mm (height) x 86mm

### Operation

- Press and release unit pushbutton or external pushbutton to toggle output
- Press and hold pushbutton to dim light up or down
- To link a ClickOn Bus Wallswitch button to the dimmer without using the CLBUS installation software:
  - Enter program mode by pressing and holding the dimmer pushbutton 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 dimmer pushbutton to exit program mode
- Operation from a ClickOn Bus Wallswitch:
  - Press and release wallswitch button to toggle output
  - Press and hold wallswitch button to dim light up or down

### Status LED

Green: Output switched OFF

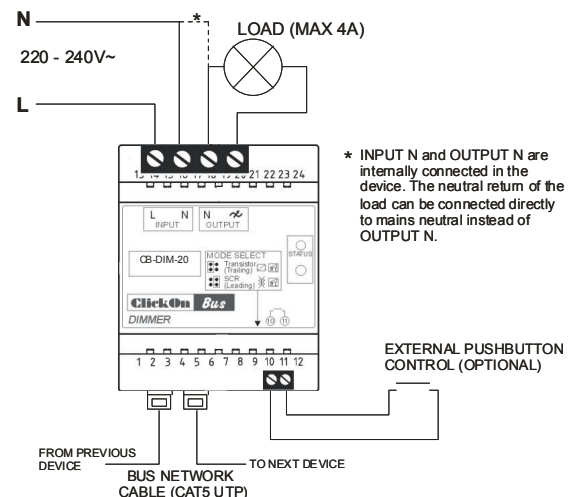
Red: Output switched ON

Flashing amber: Program mode active

Flashing red: Error condition:

1 Flash: 220-240V~ supply not present	2 Flashes: Load short circuit condition detected
3 Flashes: Output overload	4 Flashes: Load error detected (Incompatible load type or incorrect mode)
5 Flashes: Over temperature error	6 Flashes: Zero crossing error (bad supply)
7 Flashes: Supply overvoltage	8 Flashes: Load overvoltage detected (Incompatible load type or incorrect mode)

### Wiring Diagram



### Mode Selection

Trailing Edge (220V Incandescent/Halogen Lamps or Low Voltage Electronic Transformers):



Leading Edge (220V Incandescent/Halogen Lamps or Low Voltage Magnetic Transformers):

