Intelligent Building Solutions

Installation Manual

CSW 2011 DR
DUAL POWER SWITCH UNIT

- **DIN-rail mounting**

CIB-tech

Introduction

The CSW 2011 DR is a general purpose power switch, with 2, voltage-free relay outputs, part of the CIB-tech automation system.

Additional Equipment Required

1. **Functional CIB-tech system**
   A minimal number of essential CIB-tech components to make a functional CIB-tech system[1]

2. **Command buttons (optional)**
   Simple normally-open type (contact is closed when button is pressed) push buttons. Most types of flush mounted or DIN-rail mounted simple push buttons are suitable[2]

Technical Specifications

Electrical characteristics

- **Power Supply**
  The CSW 2011 DR functions as a node in a CIB-tech system, being powered from the CIB-tech system's power supply via the CIB-tech connectors.

  - Operating voltage range: 17.5 to 28V DC (nominal 24V DC)
  - Supply current (at nominal voltage)
    - Standby current : 13mA
    - Maximum current: 35mA

- **Power rating (2 voltage-free relay outputs)**
  - Rated AC voltage: 250V AC (non inductive load)
  - Rated DC voltage: 30V DC (resistive load)
  - Rated current: 6A

- **Signal Input**
  - 2 command buttons: N.O. with voltage free contacts

Mechanical characteristics

The CSW 2011 DR has a standard 3-module wide enclosure for M36 type DIN-Rail

- Dimensions: 96mm W x 52mm L x 60mm D
- Weight: 100g

Environmental characteristics

- Operating temperature: -10ºC to 85ºC
- Storage temperature: -25ºC to 100ºC

1 See "CIB-tech installation manual" for details.
2 For DIN-rail type push-button, IBS product BSS 10 DM or BSD 10 DM might be used.

Key Features

- N.O. (normally open) and N.C. (normally closed) output for all outputs.
- Two functional output modes, individually selectable for each output: bistable or monostable;
- Programmable stay-on time in monostable mode, individually selectable for each output
- Scheduled turn on / turn off possibility, individually selectable for each output
- Output states remotely controllable via the CIB-tech system
- Internal bi-color LED, indicating the output state (green: all outputs off / red: at least one outputs on)

Installation

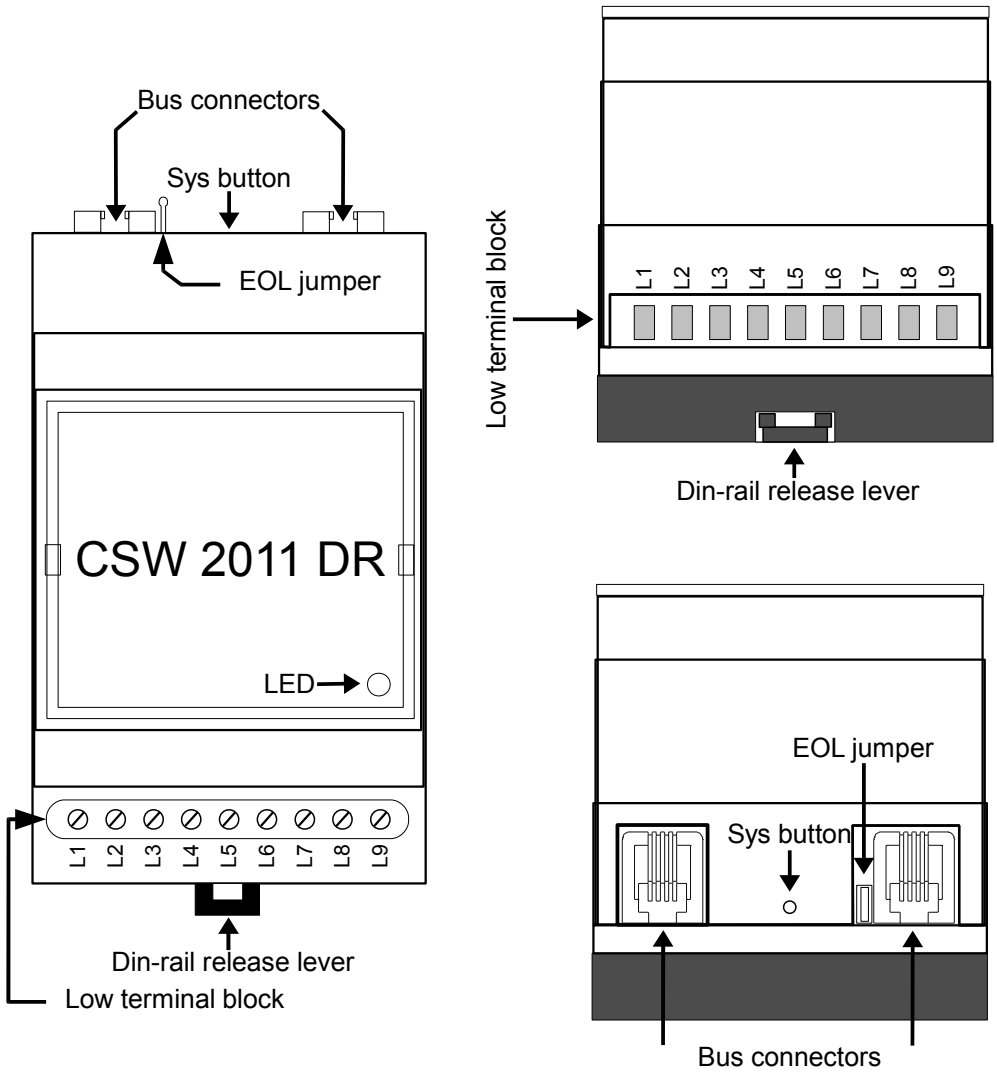
The CSW 2011 DR is meant to be installed on a standard M36 type DIN-Rail.

Part description

- **Bus connectors:**
  - 4P4C modular jack connectors for CIB-tech connection[1]
- Sys button:
  - push-button for CIB-tech system configuration
- **EOL jumper:**
  - CIB-tech system's End Of Line jumper[1]
- **LED:** indicator LED for output state
  - green: off
  - red: on
- **DIN-rail release lever:**
  - lever for removing the device from the M36 DIN-Rail

- **Low terminal block:** terminals for connecting external devices
  L1. Relay 1 – NO (normally open) contact
  L2. Relay 1 – C (common) contact
  L3. Relay 1 – NC (normally closed) contact
  L4. Push button1 – Normally open contact
  L5. Push button 1&2 – Common contact
  L6. Push button2 – Normally open contact
  L7. Relay 2 – NC (normally closed) contact
  L8. Relay 2 – C (common) contact
  L9. Relay 2 – NO (normally open) contact

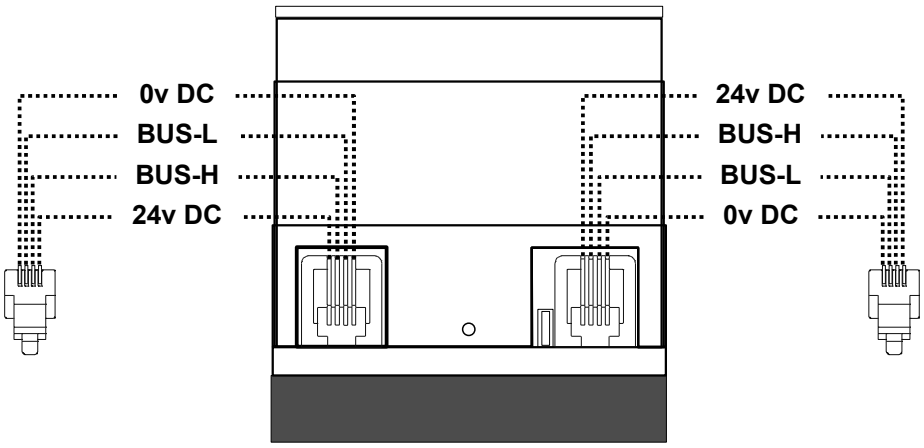
1 See “CIB-tech installation manual” for details.



Wiring diagrams

Connection to CIB-tech system:

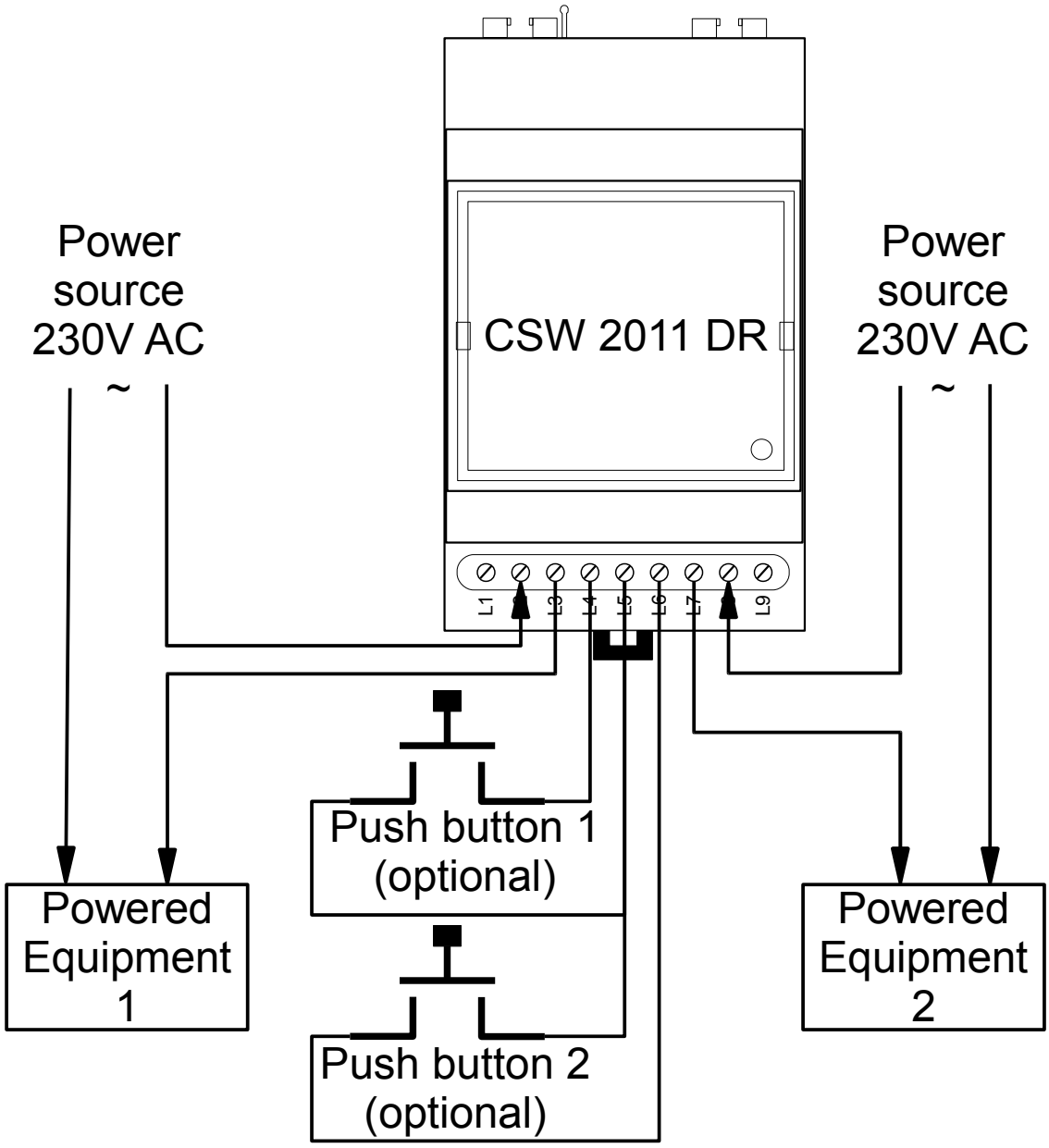
Use the CSW 2011 DR device's two 4P4C modular jack connectors to connect it to the CIB-tech systems (chain like) bus. Do not forget to remove the EOL jumper if the device is not the last element of the chain[1]



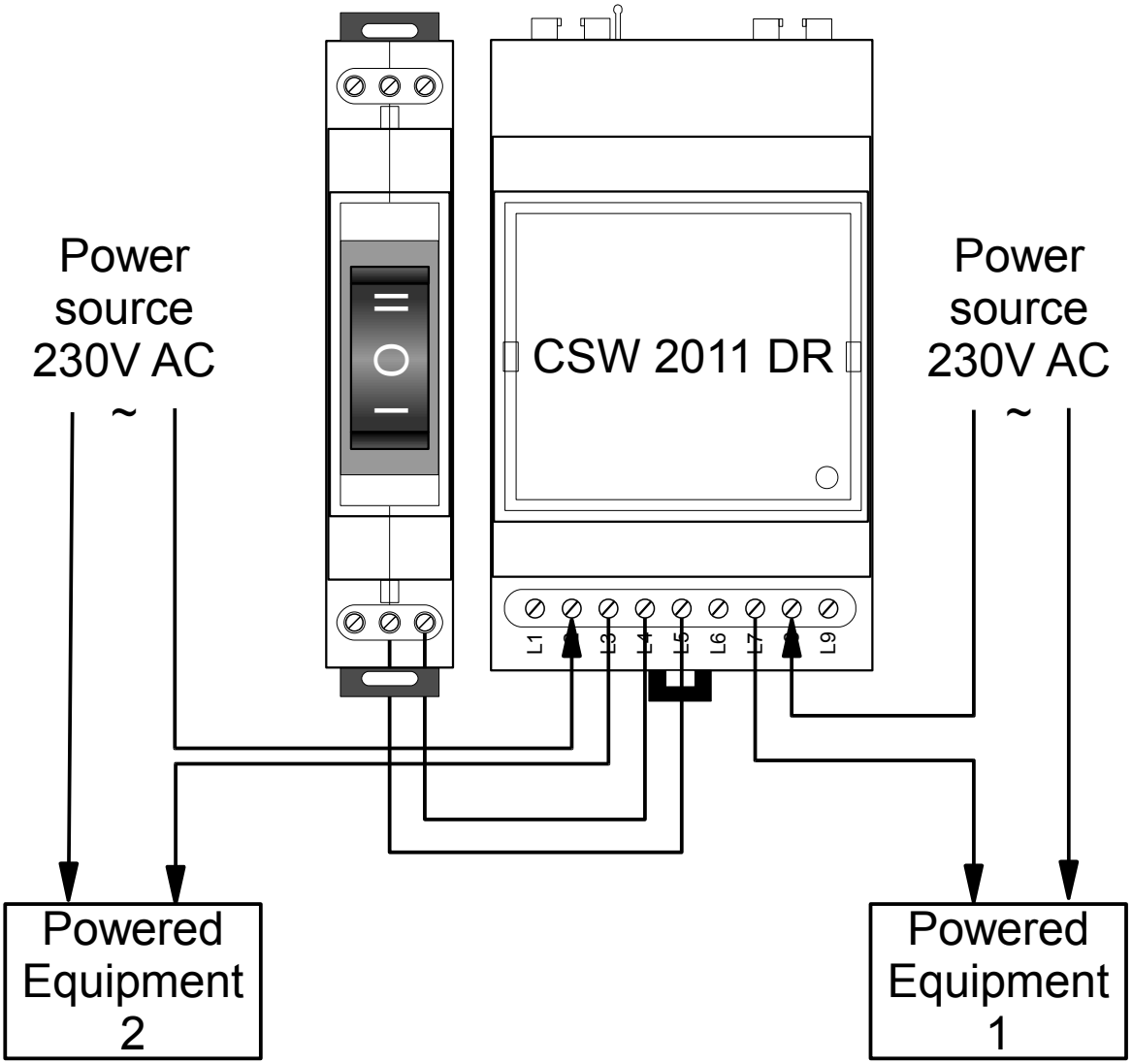
1 See “CIB-tech installation manual” for details.

Connecting the input devices

Typical connection:



Connection example with local, DIN-Rail mounted, double push button :



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