RAPiD
Lighting Control System

CP electronics
intelligent energy control

EBR-DIN-3SCA

RAPID DIN Rail Scene Controller

Overview

INTERFACE CONNECTIONS

- COMMON
- DOWN/LOWER
- UP/RAISE
- SCENE 6
- SCENE 5
- SCENE 4

EBR-DIN-3SCA

- +12 VOLT
- COMMON
- BUS A
- BUS B
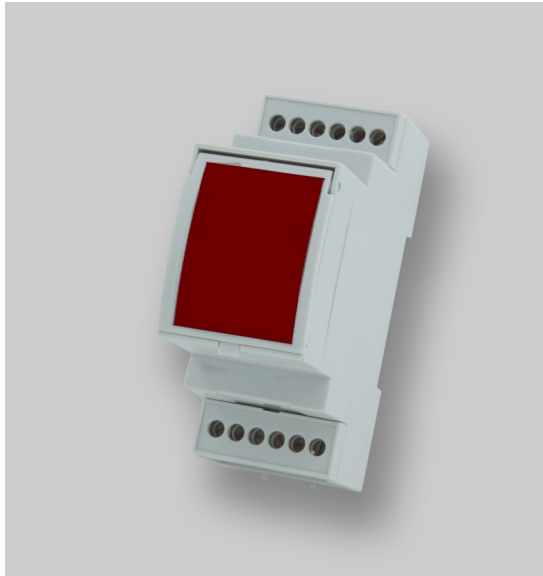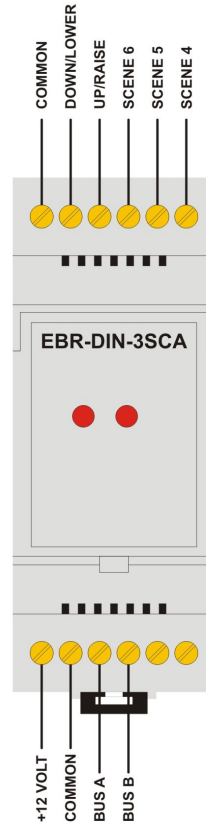
POWER AND BUS CONNECTIONS

The EBR-DIN-3SCA provides advanced scene setting functions for the Rapid Lighting Control System. When used in conjunction with Rapid dimming LCMs and suitable dimming luminaires, complex dimming can be achieved to suit applications from conference rooms to individual offices. This product provides for the selection of scenes using an external interface, and is specifically suited to control by separate AV systems or BMS systems. The EBR-DIN-3SC provides the following features:

- Up to 5 scenes selectable using 3 inputs
- Adjustable fade rates up to 99 minutes, individually selectable for each scene
- Raise and lower inputs
- Support for up to 99 individual dimming circuits
- IR support for scene selection and programming

Installation and Wiring

- Install the module in a suitable housing. This unit is compatible with standard DIN rail enclosures
- Wire as in the diagram above.
- The scene inputs and raise/lower inputs are connected via a voltage free contact to common.
- Commission using the notes overleaf.

Operation

- To select scenes 4-6, close the contact between the scene input and common for less than 0.7 second.
- To select scenes 7-8, close the contact between the scene input and common for more than 1 second—the LED will flash. The input assignments are:
    scene 7 = input 1
    scene 8 = input 2
- When a new scene is selected, the desired light level will be selected in the time determined by the fade rate. Double closing the switch input (i.e. two successive contact closures) will override the fade rate and achieve this level immediately.

Commissioning

Commissioning will normally be performed by our trained commissioning engineers.
Please note that prior to commissioning, it is the responsibility of the installing contractor to ensure the following:

- The LCMs must be connected and installed
- Mains power must be available
- Luminaires must be plugged in
- The scene panel must be wired correctly and plugged into the LCM

The LCMs are factory set to a preset scene level as follows:

Scene	Level
0	Off
1	100%
2	75%
3	50%
4	25%
5	50%
6	50%

Commissioning is performed using the LCD programming handset. The following relates to the commissioning of all scenes accessible by the controller. For advanced operation, including room divide and dependency details, refer to the datasheet for EBR-4SC.

1. Assign a Scene ID to the controller
2. Ensure that the required LCM channel has an interface dependency on the Scene ID
3. Program the Scene ID of the nearest panel to be the DCM master ID
4. Assign the LCM channel to a circuit and give it the circuit ID. A circuit is any group of luminaires that need to have the same brightness level.
5. Select the scene on the scene controller by connecting the corresponding input. If it is scene 4-6, close the input for more than 1 second. If it is a room divide scene, then ensure that the room divide contact is made.
6. Open the flap and press the push button switch inside.
7. From the scene menu of the handset, select the circuit ID to be programmed.
8. Adjust the brightness using the up/down settings on the handset.
9. When completed, select any other scene to store the value.
10. Repeat above for all circuits and scenes.
11. Any other parameter, such as fade time can be directly programmed from the handset by selecting the scene first and sending the command.

Specification

LOAD

See datasheet for RAPID LCM

SUPPLY VOLTAGE 12VDC
TEMPERATURE -10°C to 35°C
CONFORMITY EMC-2014/30/EU
LVD-2014/35/EU CE
For further compliance information visit
www.cpelectronics.co.uk/compliance

Part Numbers

EBR-DIN-3SCA   5 scene DIN rail scene controller

bsi. ISO 9001 Quality Management FM 45789
ISO 14001 Environmental Management EMS 534520
ISO 45001 Occupational Health and Safety Management OHS 642036

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Due to our policy of continual product improvement CP Electronics reserves the right to alter the specification of this product without prior notice.