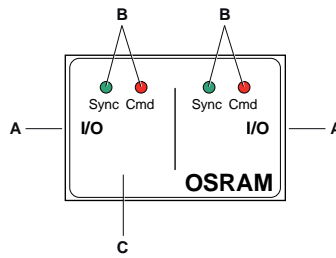


EASY SYS CP



The EASY system coupler allows the interconnection and bidirectional communication between multiple EASY systems.

In this way, up to 64 control units can be connected and the number of operating components and the line length can be increased.

Function

The EASY system coupler operates as a signal amplifier and is supplied directly from the EASY line. An internal galvanic isolation on both sides prevents unpredicted current flows between the systems.

The LEDs can be used to check that the system coupler has been wired correctly.

Design

The EASY system coupler is made up of the following components:

- A I/O connections for control units
- B LEDs
- C Housing

Installation

Safety instructions

The system coupler must only be installed and put into operation by a qualified electrician. The applicable safety regulations and accident prevention regulations must be observed.



WARNING!

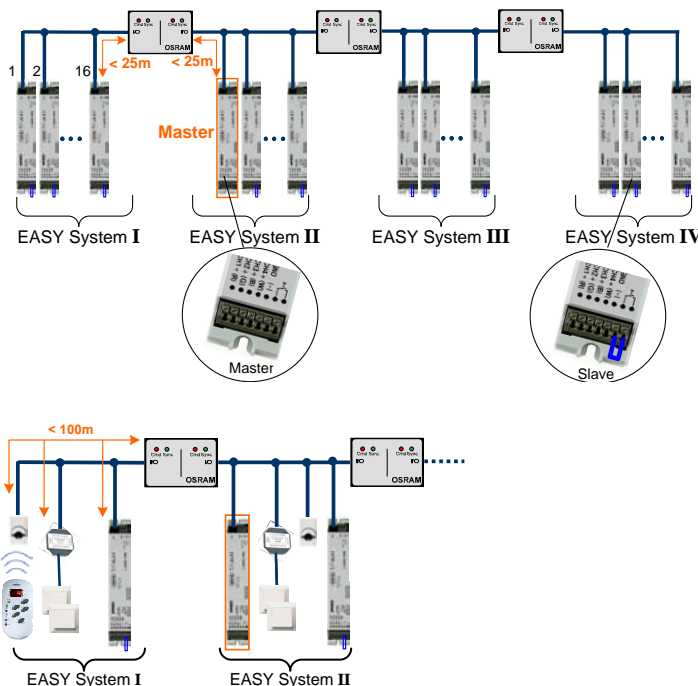
- Exposed, live cables.
- Danger of electric shock!
- Only work on the system coupler when it is de-energised.

CAUTION!

Destruction of the system coupler and other devices through incorrect mounting!

- The EASY system coupler is designed for mounting in closed housings. If mounted separately, for example in a separate distributor box, provide for sufficient cable strain relief and adequate insulation against parts that conduct mains voltage.
- Do not wire the system coupler with an external voltage, especially not a mains voltage of 230 V.
- Do not exceed the maximum total line length and the maximum number of connectable devices.
- Do not route the EASY signal lines together with power supply or lamp lines.

EASY system coupler Fitting instructions



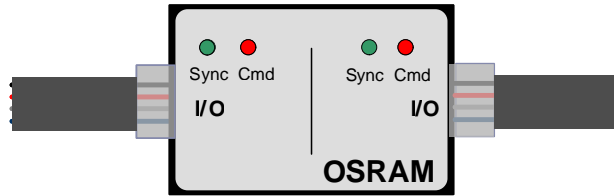
Connecting the system coupler

- D System extension
- E Connection of operating components

Note the following instructions:

- Connect at least one control unit to each I/O connection.
- Maximum line length between system coupler and nearest control unit: 25 m.
- A maximum of 4 EASY systems can be connected with each other. The following restrictions apply to each EASY system:
 - Max. 16 control units
 - Max. 2 pushbutton couplers
 - Max. 4 infrared receivers
 - Max. total length of EASY line: 100 m
- Only one control unit may serve as the master in the overall installation of all connected EASY systems. All other control units must be configured as slaves via a bridge on the pushbutton input. See the separate instructions for the control units DALI EASY III and OT EASY 60 II.
- Ensure that infrared receivers of different systems do not receive signals from a remote control at the same time; see the separate instructions of the DALI EASY RMC remote control.

Installation (cont.)



Checking the wiring

The green Sync LED and the red Cmd LED can be used to check that the system coupler has been wired correctly.

LED status	Meaning
Green LED is off.	Fault! There is no functional control unit connected to the corresponding I/O connection.
The green LEDs light up continuously.	Fault! No master.
The green LEDs flicker.	OK! Master and bus supply available.
Red LED flashes.	OK! Infrared and pushbutton coupler command are transmitted.

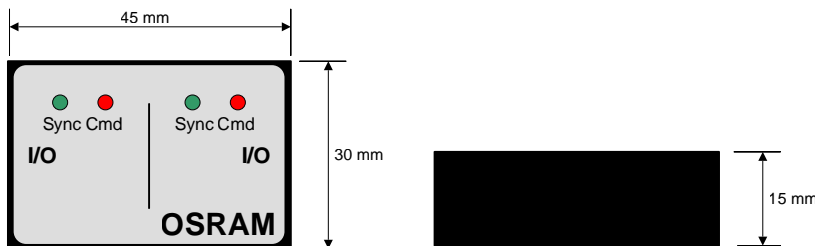
Note: Faults of multiple masters cannot be displayed at the same time.

Appendix

Technical data

EASY signal connection	4-pin RJ-11 modular connection (4p4c)
Protection class	III
Protection type	IP 20
Dimensions (L x W x H)	45 x 30 x 15 mm
Operating temperature	0 °C ... +50 °C

Dimensioned drawing



IV 2009

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CE Conformity with the relevant EU directives is confirmed by the CE symbol.