relayCUE-8

Main Features

- Power relay unit up to 10 A per channel for resistive loads
- Eight independent potential free switching outputs
- Eight inputs for external switches (wall buttons, etc.)
- Controlled by serial channel RS-485
- Test buttons on front panel
- Indication of power and serial channel activity
- Indication of power relay status
- Unified enclosure designed for DIN rail installation
- Easy installation

Specifications

Control ports
8x Digital contact closure input, 2x 8-pin connetor

Power ports
4x Potential free relay C-NO, up to 230 V
Max. 10 A for resistive loads
Max. 400 W per relay for inductive or capacitive loads
4x Potential free relay NC-C-NO, 230 V
Max. 10 A for resistive loads
Max. 400 W per relay for inductive or capacitive loads
Terminals 1.5 mm^2

LED indicators
Power, serial channel activity, all power ports

Buttons
8x Test button for power relay control
1x ACT button for address and bank settings

Insulation strength
2.5 kV between power and control circuits

Serial communication
RS-485, 5-pin connector

Insulation strength
2.5 kV between power and control circuits

Power supply
110 or 230 VAC, 50 / 60 Hz, 6 W
Terminals 1.5 mm^2

Physical
Plastic DIN rail compatible enclosure
Dimensions
159 x 90 x 58 mm / 6.2" x 3.5" x 2.3"
9 DIN modules 17.5 mm
Weight 0.5 kg / 1.1 lb

Operating environment
Temperature 0° to 60° C
Humidity 10% to 90% non-condensing

Standard Box Contents

relayCUE-8
Connector set
Cable RS-485 5-pin to RJ-11
PEbus cable adapter
Warranty Conditions, CE Declaration, RoHS Declaration
Data Sheet, Cue System Connector Wiring Sheet
CUE Application CD

Description

The relayCUE-8 is an eight-channel relay switching unit for loads up to 10 A per channel. The unit can be controlled by serial channel RS-485 and by potential free contact inputs. These contact inputs are intended to be used mainly as "wall switches" for direct control of dedicated relay circuits. To fulfil various tasks, the input operation can be assigned to different functions by setting their functional parameters in the project configuration. The programmable parameters are response on the input, delayed on / off, pulse, and drapes and motor control sequence. Basic parameters can be set using buttons on front panel, other parameters are set by serial channel. Front panel includes LED indicators for power supply, serial channel activity and status of all power relays. The unit can be combined with all Power Express units. The enclosure allows simple installation on a DIN rail.

Applications

- Complete residential automation
- High-tech homes
- Commercial single-room applications
- Meeting rooms, conference rooms, boardrooms
- Huge multi-room and multi-floor distributed systems

Application Note

The relay contacts are constructed for resistive load up to 230 V / 10 A. If these relays are used for the switching of inductive or capacitive loads, voltage or power peaks can occur, which may exceed these parameters even if the load has the stated take-off lower than 230 V / 10 A. We therefore do not recommend using relayCUE-8 for switching inductive or capacitive loads with take-off higher than 400 W.
If you need to switch higher inductive or capacitive loads, use contactors. Unlike relays, contactors are designed with features to control and suppress the arc produced when interrupting inductive load currents. You can then use the relay of the unit to control the coil of this contactor.

Order Information

Product codes

CS0335-1	version 110 VAC
CS0335-2	version 230 VAC