

# Relay Control Device (RCD)



## Application

- The RCD (Relay Control Device) expands the control capabilities of Millennium. The RCD is an add-on board that can control up to 8 additional programmable relays, for any product that requires voltage switching. It operates and logs history transactions into the memory buffer even if communications with the SCU have been interrupted.

## Features

- Each RCD has 8 individually isolated single pole, Form C relay outputs, which can be programmed for activation by a variety of triggering sources

- The RCD communicates using various types of supervised wiring methods, including Daisy Chaining, T-Tapping, Home Running, Star Configuration, and High Security Loop Back
- Up to 10 RCDs can be connected to a single SCU, with a maximum architecture of 80,000 relays per system

## Specifications

### Power Requirements:

- 9-14 VDC, supplied by the Kaba PS1 power supply; Current consumption is 50mA nominal, and 200mA maximum

### Circuit Protection:

- Input power is protected from reverse polarity, over-voltage and transient surges

### RCD Device Communications:

- A Twisted Pair, RS-485 polling scheme is used to communicate with the other Millennium Devices

### Programmable Relays:

- Each RCD employs 8 programmable

single pole, Form C relays that are rated for 2 Amps at 24 VDC

### All Events History Buffer:

- 2000 event, stored in RAM memory with a minimum of 24 hours backup

### Priority Event Buffer:

- 100 software selectable priority events (alarms, com fail, etc.)
- These events are stored on-board if the RCD is off-line with the host computer. Stored events are sent to the host computer once communications are re-established

### Cover Tamper Switch:

- On-board integrated tamper switch

### Operating Temperature:



- 14° to 104°F (-10° to 40°C) less than 90% non-condensing humidity


### Dimensions:

- 4.24" x 7.35" @ < 1lb
- 10.8 x 18.7cm @ < 0.45kg

### Certification / Listing:

- UL 294

Model #	Picture	Description
149-100993		Relay Control Device (RCD)
060-101025		Standard Back Box

Model #	Picture	Description
041-100992		Back Box with Lock Cover

See page 18 for enclosure specifications