Infrared Sensor Exit Device

Features

1. European size & ANSI size faceplate
2. Infrared sensor adapts to any environment
3. 10 cm proximity range
4. Suitable for any access control units
5. Emergency push button (RTS-500)
6. Safe circuit design in case of power failure or emergency exit

RTS-500   RTS-500N
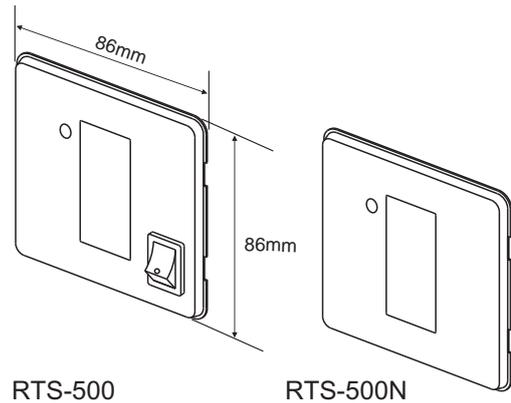
## Specifications

■ Operating Voltage: 12~24VDC
■ Current Draw: Holding: 60mA/12VDC, Pull in: 50mA/12VDC
              Holding: 40mA/24VDC, Pull in: 30mA/24VDC
■ Relay Timer: 0.5, 5,10,20 Seconds
■ Sensor Range: Up to 10 cm (18% gray reflection)
■ Relay Rating: 3A/125VAC/30VDC
■ Faceplate material: stainless steel
■ Operating Temperature: -20~+70°C
■ Ambient Humidity: 5~95% relative humidity non-condensing
■ Visual Signals: Bi-colour LED display with audible Indication
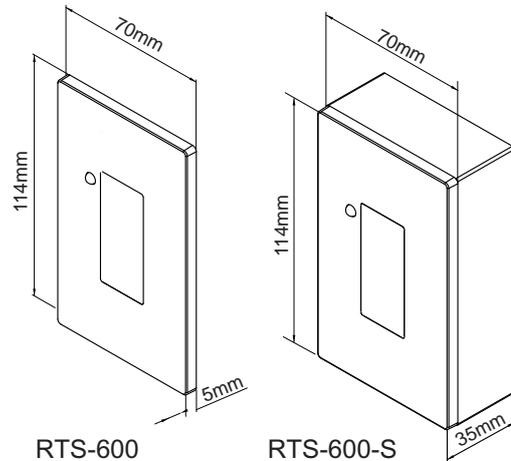
Relay Timer:

■ ■ ■ ■   0.5 seconds
□ □ ■ ■   5 seconds
■ ■ □ □   10 seconds
□ □ □ □   20 seconds

RTS-600   RTS-600-S

Unit:mm

Application & Installation

The RTS-500/RTS-600 Infrared Sensor Exit Device and access control package have many different ways of connection, and the diagrams below illustrate two recommended ways of connection.

In Fig.A, RTS-500/RTS-600 connects to the Request-to-exit input contact. Relay strike time can be set as 0.5 seconds.

In Fig.B, RTS-500/RTS-600 controls a fail-safe locking device. If it controls a fail-secure lock, the contact is N.O. Relay strike time is door opening time.

Note: To avoid burning when RTS-500/RTS-600 controls an electric lock, please pay attention to the limit of relay rating:3A/125VAC/VDC.

Fig.A

Control Device

Request-to-exit input contact

Contact for emergency exit button

Power Supply
12 VDC

NC
COM
NO

Fig.B

Illustration of safe circuit design
Power off: N.C.
Power on & Stand by: N.O.
Relay active: N.C.

Electric Lock (Fail-Safe)

Power Supply
12 VDC

NC
COM
NO