RTS Series Wave Sense Infrared Exit Devices
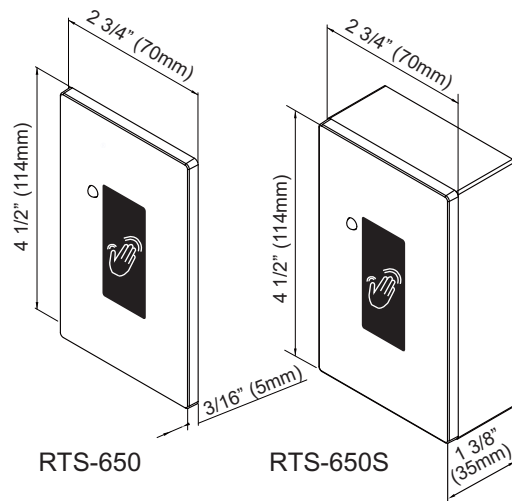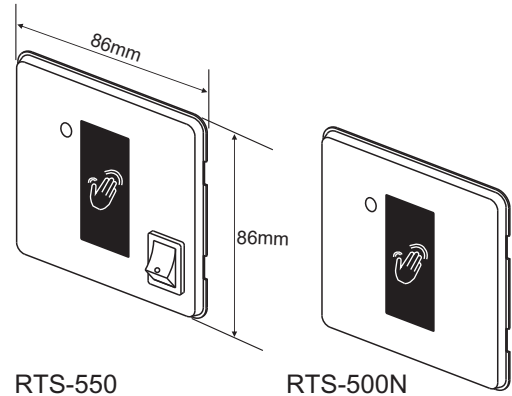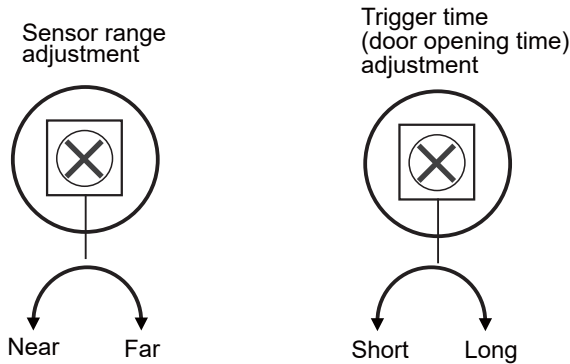# RTS-550 / RTS-650
Installation Instructions

Specifications

- Operating Voltage:12~24VDC
- Current Draw: Pull in 20mA/12VDC; Holding 60mA/12VDC
  Pull in 30mA/24VDC; Holding 60mA/24VDC
- Relay Rating: 1A/125VAC, 2A/30VDC
- Operating Temperature: -10~+70ºC
- Ambient Humidity: 5~95%
- Dual LED, illuminated sensor indicates status: Standby (Red), Active (Green)
- Emergency push button (RTS-550)
- Sensor Range: 5~7 cm (Fixed)
- Adjustable Output Time: 1~60 seconds
- Faceplate Finish: Brushed stainless steel

Dimensions

RTS-550   RTS-500N

RTS-650   RTS-650S

Adjusting Sensor Range & Trigger Time

Sensor range adjustment

Near   Far

Trigger time (door opening time) adjustment
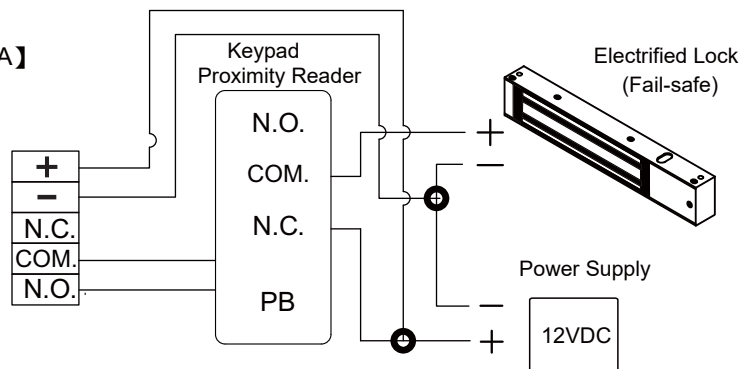
Short   Long

Wiring Diagrams

The RTS series wave sense infrared exit device includes one set of output contacts NC/NO/COM. It can directly control electrical devices (e.g. electrified locks) or works with digital keypads or proximity readers. Please refer to the wiring instructions below.
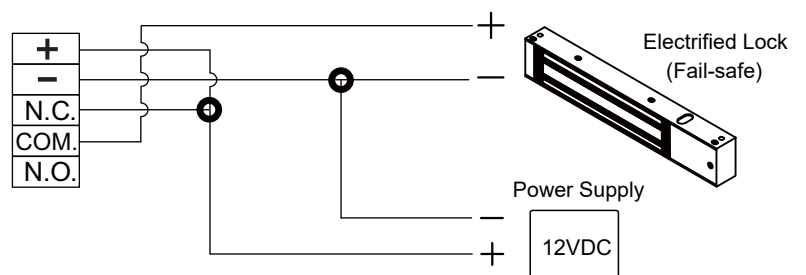
In Figure A, the RTS series connects to the Request-to-Exit input terminal of the access control system. Relay output time can be reduced to a minimum of 0.5 seconds.

In Figure B, the RTS series controls a fail-safe locking device. If it controls a fail-secure lock, connect to the NO contact. Relay output time is door opening time.

【Figure A】

【Figure B】

> Caution:
> To avoid wire burning, do not exceed maximum relay rating: **1A/30VDC**.