

# Wave Sense Infrared Exit Device

## RTS Series

### Touchless Switches Ensure Safe and Sanitary Egress

#### Standard Features

- Uses infrared sensor technology for contactless switch activation
- For sanitary environment such as hospitals, restaurants, bathrooms, or labs
- Operating voltage 12/24VDC
- Stainless steel faceplate
- Bi-color LED status indicator
- Adjustable time output (Except for RTS-1000/1100A/2600)
- Emergency exit output (For RTS-500N/600/600-S)
- Available with emergency exit button (For RTS-500/550/550S)

**"TOUCH FREE" & "WAVE TO EXIT"**  
Exit Switches

**TOUCH FREE series** – Activated by hand/object movement in forward, backward, left or right direction

**WAVE TO EXIT series** – Activated by hand/object movement in right or left direction



#### Low Key Design



**RTS-500**

- European size
- Mortise mounted
- Emergency exit button
- Selectable delay time 0.5,5,10,20 seconds
- Sensor range 3' 15/16" (10cm)
- Relay rating 3A/125 VAC or 30VDC
- 85.5 x 85.5mm
- Red/Green LED
- Surface mount model RTS-500-S available



**RTS-500N**

- European size
- Mortise mounted
- Emergency exit output
- Selectable delay time 0.5,5,10,20 seconds
- Sensor range 3' 15/16" (10cm)
- Relay rating 3A/125 VAC or 30VDC
- Red/Green LED
- 85.5 x 85.5mm



**RTS-870**

- European size
- Mortise mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 3~15 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 85.5 x 85.5mm



**RTS-550**

- European size
- Mortise mounted
- Emergency toggle on/off button
- Adjustable output time 1 ~60 seconds
- Sensor range 5~7 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 86 x 86 mm



**RTS-550N**

- European size
- Mortise mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 5~7 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 86 x 86 mm



**RTS-550S**

- European size
- Surface mounted
- Emergency toggle on/off button
- Adjustable output time 1 ~60 seconds
- Sensor range 5~7 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 86\*86\*43mm

## Low Key Design



**RTS-600**

- ANSI size
- Mortise mounted
- Emergency exit output
- Selectable relock delay time 0.5,5,10,20 seconds
- Sensor range 3 15/16" (10cm)
- Relay rating 3A/125 VAC or 30VDC
- Red/Green LED
- 4 1/2" x 2 3/4" (114 x 70mm)



**RTS-600-S**

- ANSI size
- Surface mounted
- Emergency exit output
- Selectable delay time 0.5,5,10,20 seconds
- Sensor range 3 15/16" (10cm)
- Relay rating 3A/125 VAC or 30VDC
- Red/Green LED
- 4 1/2" x 2 3/4" x 1 3/8" (114 x 70 x 35mm)



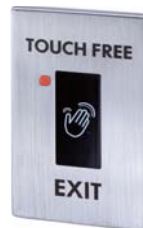
**RTS-880**

- ANSI size
- Mortise mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 3~15 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 4 9/16" x 2 3/4" x 3/16" (116 x 70 x 4mm)



**RTS-880S**

- ANSI size
- Surface mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 3~15 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 4 9/16" x 2 3/4" x 1 3/8" (116 x 70 x 35mm)



**RTS-650**

- ANSI size
- Mortise mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 5~7 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 4 1/2" x 2 3/4" x 3/16" (114 x 70 x 5mm)



**RTS-650S**

- ANSI size
- Surface mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 5~7 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 4 1/2" x 2 3/4" x 1 3/8" (114 x 70 x 35mm)

## LED Illuminated - Jumbo



**RTS-970**

- Extra large size
- Surface mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 3~15 cm
- Relay rating 1A/30VDC
- Red/Green OR Red/Blue LED
- 5 1/4" x 5 1/4" x 1 3/16" (133 x 133 x 30mm)



**RTS-970WT**

- Extra large size
- Surface mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 3~15 cm
- Relay rating 1A/30VDC
- Red/Green OR Red/Blue LED
- 5 1/4" x 5 1/4" x 1 3/16" (133 x 133 x 30mm)
- Comes with a RF wireless controller/receiver
- Receiver can pair with up to 15 remote controls

## LED Illuminated - Square



**RTS-1000**

- ANSI size
- Mortise mounted
- Sensor Range: 1/16"~3 15/16"(0.1~10 cm)
- Relay Rating: 3A/12~28VDC
- Blue/Green LED
- 4 1/2" x 2 3/4" (115 x 70mm)



**RTS-1100A**

- European size
- Mortise mounted
- Sensor Range: 0.1~10 cm
- Relay Rating: 3A/12~28VDC
- Blue/Green LED
- 86 x 86mm



**RTS-2600**

- ANSI size (double gang)
- Mortise mounted
- Sensor Range: 1/16"~3 15/16"(0.1~10 cm)
- Relay Rating: 3A/12~28VDC
- Blue/Green LED
- 4 9/16" x 4 9/16" (116 x 116mm)

## Glossy White



**RTS-850**

- ANSI size
- Mortise mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 3~15 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 4 1/2" x 2 3/4" x 3/8" (114 x 69.5 x 9.5mm)



**RTS-850S**

- ANSI size
- Surface mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 3~15 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 4 1/2" x 2 3/4" x 1 7/8" (114 x 69.5 x 47mm)



**RTS-860**

- European size
- Mortise mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 3~15 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 85.5 x 85.5 x 9.5 mm



**RTS-860S**

- European size
- Surface mounted
- Adjustable output time 1 ~60 seconds
- Sensor range 3~15 cm
- Relay rating 1A/125VAC, 2A/30VDC
- Red/Green LED
- 89 x 89\* x 57.5 mm



**RTS-900**

- European size
- Surface mounted
- Adjustable delay time 1 ~ 60 seconds
- Sensor range 5~7 cm
- Contact rating 1A/30VDC max.
- Red/Green LED (programmable solid/flashing mode)
- 86 x 86 x 38 mm

## LED Illuminated - Round



**RTS-020**

- Narrow size
- Mortise/Surface mounted
- Adjustable delay time  
0-20 seconds
- Sensor range 4 3/4" (120mm) max.
- Relay rating 1A/30VDC
- Red/Green LED
- 4 9/16" x 1 3/4" (116.25 x 44mm)



**RTS-020B**

- ANSI size
- Mortise/Surface mounted
- Adjustable delay time  
0-20 seconds
- Sensor range 4 3/4" (120mm) max.
- Relay rating 1A/30VDC
- Red/Green LED
- 4 1/2" x 2 3/4" (114 x 69.5mm)



**RTS-700**

- European size
- Mortise/Surface mounted
- Adjustable delay time  
0-20 seconds
- Sensor range 4 3/4" (120mm) max.
- Relay rating 1A/30VDC
- Red/Green LED
- 85.5 x 85.5mm



**RTS-800**

- ANSI size
- Mortise/Surface mounted
- Adjustable delay time  
0-20 seconds
- Sensor range 4 3/4" (120mm) max.
- Relay rating 1A/30VDC
- Red/Green LED
- 4 1/2" x 2 3/4" (114 x 69.5mm)



**RTS-8585**

- European size
- Mortise/Surface mounted
- Adjustable delay time  
0-20 seconds
- Sensor range 4 3/4" (120mm) max.
- Relay rating 1A/30VDC
- Red/Green LED
- 88 x 88mm

### Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original client. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.