Wave Sense Infrared Exit Device
RTS Series
Touchless Switches Ensure Safe and Sanitary Egress

"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

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)

CE RoHS Compliant

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

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.