

# RT-VF



Colors	Red, Amber, Green, Blue
Globe	Acrylic resin with superior weather resistance and translucency.

### ■ RT-VF/VFUL

The RT-VF Series features a 162mm diameter rotating incandescent light, programmable voice signaling, with a 105dB horn for highly effective signaling.

- High weather resistance for outdoor use
- Up to 105dB sound output at 1m
- Message capacity up to 63 seconds with 5 channel bit input or 31 channel binary input
- IP65 rating for dust and water resistance
- Easily accessible volume control
- Comes in multiple voltages
- NPN compatible

Simple message registration with various tools



(UL specifications only)

## Specifications

### RT-VF specifications

Model	Rated Voltage	Operating Voltage Range	Power Consumption	Bulb		Number of flashes	Sound Pressure Level	External Contact Capacity	Operating Temperature Range	Contact Input Method	Playback Channel	Protection Rating	Quality
				24V 20W	Number								
RT-24VF	24V DC	21 - 27V DC	24W	24V 20W	55	115/minute	Maximum 105dB (at 1m)	10mA or more	-10 °C to +50 °C (humidity 85% or less)	Normally closed contact input (1 bit per 6 points)	Bit input: 4 Binary input: 15 When using sound reduction mode Bit input: 3 Binary input: 7	IP23	2.0kg
RT-100VF	100V AC	90 - 110V AC	32W	12V 15W	54	105/minute							2.4kg
RT-200VF	200V AC	180 - 240V AC	30W		95/minute	2.4kg							

Bulb Shape: glass bulb G18 base BA15S

(Note) The indicated sound pressure level is the maximum volume (sine wave (1KHz)) and the actual level may be lower than the indicated sound pressure level due to message content, tone, and voltage fluctuations. \*When using multiple units, there may be variation in the playback sound even when started simultaneously with the tone and voice.

### RT-VFUL specifications (UL certified model)

Model	Rated Voltage	Operating Voltage Range	Power Consumption	Bulb		Number of flashes	Sound Pressure Level	External Contact Capacity	Operating Temperature Range	Contact Input Method	Playback Channel	Protection Rating	Quality
				24V 20W	Number								
RT-24VFUL	24V DC	21 - 27V DC	24W	24V 20W	55	115/minute	Maximum 105dB (at 1m)	10mA or more	-10 °C to +50 °C (humidity 85% or less)	Normally closed contact input (1 bit per 6 points)	Bit input: 4 Binary input: 15 When using sound reduction mode Bit input: 3 Binary input: 7	IP23	2.0kg

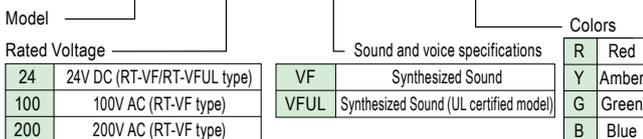
Bulb Shape: glass bulb G18 base BA15S

(Note) The indicated sound pressure level is the maximum volume (sine wave (1KHz)) and simultaneously indicated sound pressure level due to message content, tone, and voltage fluctuations.

\*When using multiple units, there may be variation in the playback sound even when started simultaneously with the tone and voice.

## Model Code

# RT-24VFUL-R



## Optional Parts

For details, see pages 182 to 187.

Optional Parts	Model
Wall Mount Bracket	SZ-023
Wall Mount Bracket	SZ-008
SD card (2GB)	SDV-2GP

Light bulb No.	Model
54	D01201503-F1
55	D02402003-F1

\*Light bulbs come in packs of 10.  
\*Stock for some light bulbs may be limited, as products become discontinued. We ask for your understanding in this regard.

Network

Signal Tower

Signal Light

Revolving Warning Light

Cube Tower

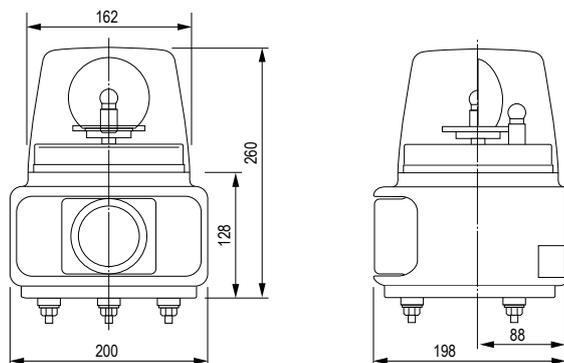
Audibles

Hybrid Signaling Devices

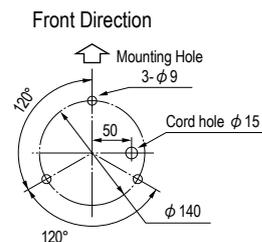
LED Illumination

Options

Dimensions (mm)

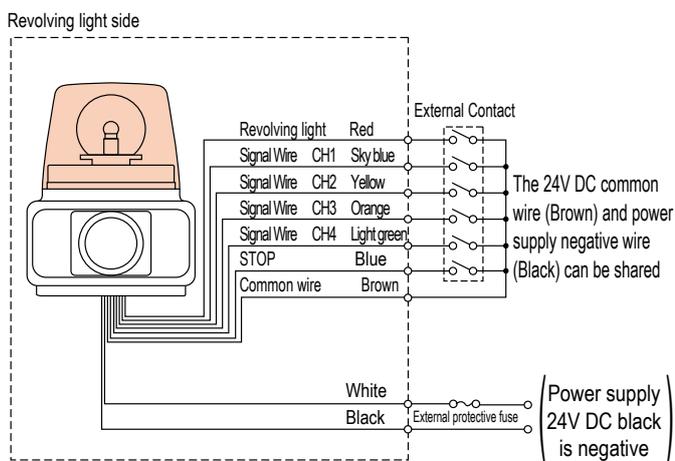


Installation Dimension Drawings



Wiring Diagram

RT-VF/VFUL



Channel Priority

STOP (Blue) > CH4 (Light green) > CH3 (Orange) > CH2 (Yellow) > CH1 (Sky blue)

\*If multiple signals are input simultaneously, it will prioritize the channel with the highest number.

The beginning of the message may be cut off when starting a message with the ON/OFF power supply switch.

Model	Fuse
RT-24VF	250V 2A
RT-100VF	250V 0.5A
RT-200VF	250V 0.5A

Power supply voltage	RT-VF
100V AC	When circuit is open: 18V
200V AC	When circuit is closed: 6mA
24V DC	When circuit is open: power supply voltage
	When circuit is closed: 6mA

\*Also connectable with an NPN open collector transistor.

RT-24VF, RT-24VFUL

Rated cross-sectional area : Wire type : Wire length  
 Power supply wire : 0.75mm<sup>2</sup> : CKVV : 320mm  
 Signal wire : 0.3mm<sup>2</sup> : UL1007 : 300mm

RT-100VF, RT-200VF

Rated cross-sectional area : Wire type : Wire length  
 Power supply wire : 0.75mm<sup>2</sup> : VCTF : 320mm  
 Signal wire : 0.3mm<sup>2</sup> : CKVV : 300mm

Playback mode (-VF/-VFUL)

Select various playback modes based on their application.

A	Bit input mode	Plays back up to 4 messages using Channels 1 to 4.
B	Binary input mode	Plays back up to 15 messages using Channels 1 to 4.
C	Bit input sound reduction mode	Plays back up to 3 messages using Channels 1 to 3. When Channel 4 receives an input, the volume is reduced by about -10dB.
D	Binary input sound reduction mode	Plays back up to 7 messages using Channels 1 to 3. When Channel 4 receives an input, the volume is reduced by about -10dB.
E	Playback prioritizing bit input subsequent input Mode	Plays back up to 7 messages using Channels 1 to 3. If a message input occurs during playback of another message, the message will stop and allow the input message to play back.
F	Playback mode prioritizing binary input subsequent input	Plays back up to 15 messages using Channels 1 to 4. If a message input occurs during playback of another message, the message will stop and allow the input message to play back.
G	Bit input hold playback mode	Plays back up to 4 messages using Channels 1 to 4. As long as the input continues, the message keeps playing. Once the input is removed, the message playback stops.*
H	Binary input hold playback mode	Plays back up to 15 messages using Channels 1 to 4. As long as the input continues, the message keeps playing. Once the input is removed, the message playback stops.*
I	Test mode	Plays back Message No. 1