

Warning Siren and Light



- Capable of input warning signals from up to 8 channels (wire sensor, vibration sensor, water level gauge)
- Low electric power consumption, and operates with the solar cells and battery
- Evacuation guidance for the neighborhood



This is a warning system designed to ensure safety of field workers at erosion control and river work sites in the mountainous area. By informing the field workers of a debris flow occurred in the upstream area of the site via a siren and/or rotary beacon light, the system helps urge swift evacuation to save lives. The system features power saving functionality, capable of operating with the solar cell, allowing its installation in the mountainous areas regardless of the availability of electric power source. The debris flow detection data can be output to various transmission devices via warning contact output to inform the personnel in charge of disaster prevention. The detection sensor can receive input from various sensors, including a wire sensor, vibration sensor, slope failure detecting sensor.

Specifications

Warning station alert control unit

Model	TWC-010-01
Function	Input A) Contact input × 8 points B) Stop signal output × 1 point Output A) Individually contact output × 8 points B) Output power supply for siren unit × 3 points C) Output power supply for light unit × 3 points D) Alarm contact output × 2 points Display LCD display, 20 characters, 2 lines
Power supply	24V DC(21.6 to 26.4V)
Environmental conditions	Ambient temperature 10 to +50°C (excluding the LCD)
Dimensions	300W×400H×165Dmm (however, not including projections)

Warning control equipment power panel(solar cell)

Model	TWC-010-02
Function	Solar cell charging controller A) System voltage DC24V B) Max. input voltage 50V C) Solar cell input current 20A D) load current 20A E) Solar cell short circuit current 25A lead-acid battery A) Nominal voltage DC24V (Two 12 V DC lead storage batteries connected in series) B) capacity 15Ah(20-hour rate)
Environmental conditions	Ambient temperature 10 to +50°C(excluding the LCD)
Dimensions	400W×500H×200D mm (however, not including projections)

Power supply unit(AC100V)

Model	TWC-010-03
Function	Input 100V AC (90 to 110V) Output 24V DC Lightening protection function Lead-acid battery A) Nominal voltage 24V DC (Two 12 V DC lead storage batteries connected in series) B) Capacity 15Ah (20-hour rate)
Environmental conditions	Ambient temperature 10 to +50°C
Dimensions	400W×500H×200D mm (however, not including projections)

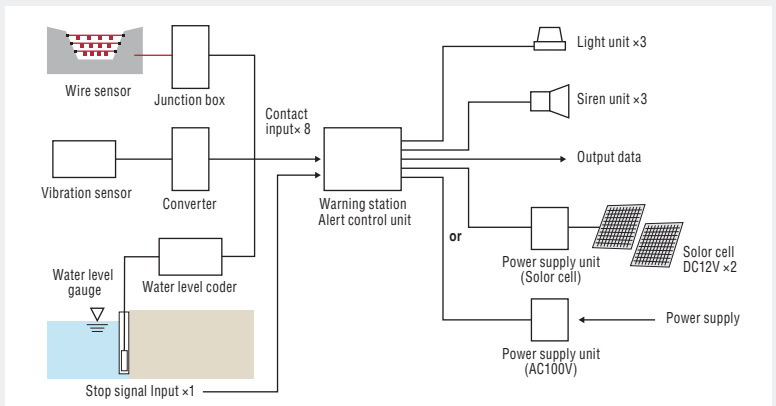
Light unit

Model	TWP-02R (Red) TWP-02Y (Yellow)
Function	LED rotary beacon light type RLR-M1-R (Red)/RLR-MI-Y (Yellow) Luminous intensity Red: 1500cd Yellow: 3000cd
Power supply	DC24V(9~32V)
Environmental conditions	Ambient temperature 10 to +50°C
Dimensions	220W×513H×190D mm (however, not including projections)

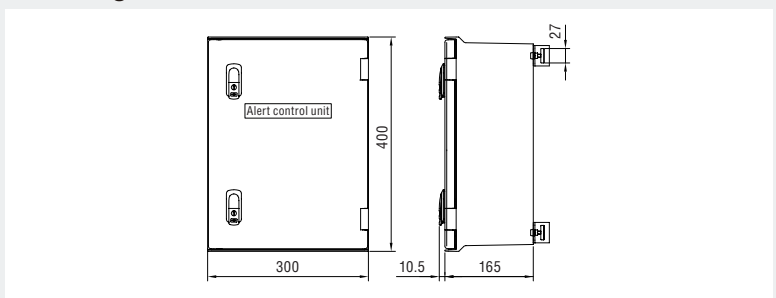
Siren unit

Model	TWS-02
Function	Sound pressure Maximum 110dB (1m forward) Rotational speed 5500min ⁻¹
Power supply	DC24V(21.6~26.4V)
Environmental conditions	Ambient temperature 10 to +50°C
Dimensions	220W×450H×190D mm (however, not including projections)

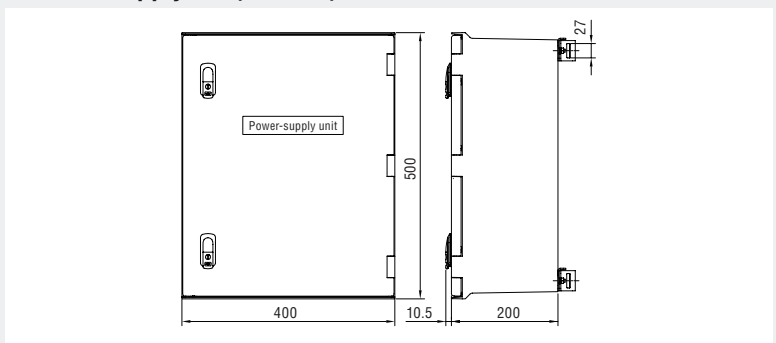
Configuration diagram



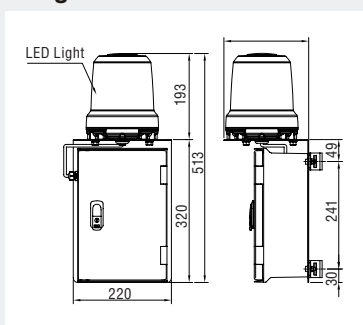
Warning station alert control unit



Power supply unit(AC100V)



Light unit



Siren unit

