SFL2

MICROPROCESSOR SEQEUNCE FLASH LIGHT



SFL2 : MICROPROCESSOR SEQUENCE FLASH LIGHT
RTIL2: RUNWAY THRESHOLD IDENTIFICATION LIGHT

Compliance with standards

ICAO : Annex14 Para 5.3.4
FAA : AC 150/5345-51, L-849
K S : KS W 5041(Korean Standard)

The SFL2 is a microprocessor controlled and works with only 3 power wires, 2 control wires and 2 monitoring wires. The SFL2 is a high intensity capacitor discharge light to be used in Sequence Flashing lighting system or in Runway Threshold Identification lighting system.
It is adjustable on three light intensity level in function of the atmospheric conditions. The complete fitting consists of a light head housing the optical components, the light body support for mounting on a 60 mm outside diameter stem, the power supply box housing all the electronic components and the junction box.
A master timer cabinet is used to activate the timing for the sequence-flashing signal.

Features

- Simple wiring for control of the firing sequence
- Monitoring individual lamp status
- Setting number of operation lights
- 2 levels of monitoring(alarm, warning)
- Parallel & serial remote control
- Light body made of die cast Aluminium
- Simple and reliable electronics
- Choice of several mounting systems for ground mounting, pole mounting or installation on frangible approach structures
- Three energy levels
- Light weight



YOUYANG
AIRPORT LIGHTING EQUIPMENT INC.

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MICROPROCESSOR SEQEUNCE FLASH LIGHT



SFL2-FL
SFL2-PS

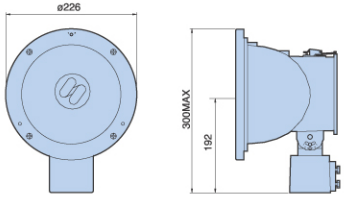


SFL2-MT

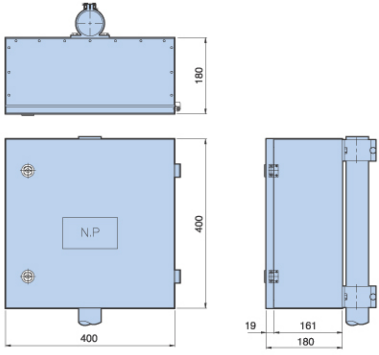
Design

Unit : mm

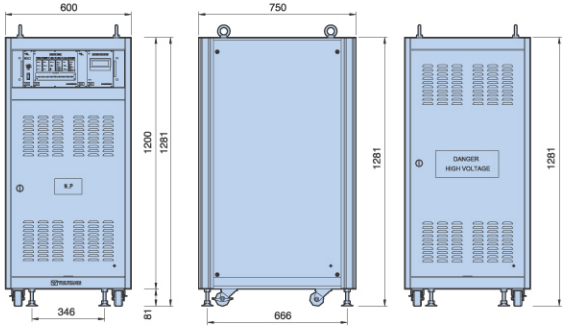
FLASH HEAD



POWER SUPPLY



MASTER TIMER



Component







MASTER TIMER

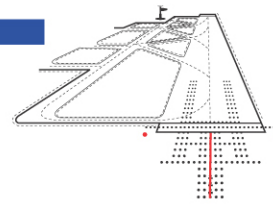
- **MASTER TIMER**
  - Input: Single Phase 220V 50/60Hz(Other voltage option)
  - Output
    - power: Single Phase 3 Wire 220/360V 50/60hz
    - control: Single Phase 2 Wire
    - Monitor: Single Phase 2 Wire
  - Power Consumption :
    - 5 Lights: 1,000W
    - 7 Lights: 1,400W
    - 21 Lights: 4,200W
    - 23 Lights: 4,600W
    - 30 Lights: 6,000W
    - 32 Lights: 6,400W
  - Intensity Control: 3 Level
  - RTIL Control: On or Off Setting 1 or 2 Flash Per SEC Setting
  - SFL Control: 5, 21, 30 Light Setting
  - Parallel & Serial(RS-485) remote control
  - Lamp status monitoring
  - Temperature range: 0 ~ 55 deg(out door type: option)
  - Humidity range: 0 ~ 95 %
  - Operating condition: In door condition

- **POWER SUPPLY**
  - Input
    - Power: Single Phase 3 Wire 220/360V 50/60hz
    - Control: Single Phase 2 Wire
    - Monitor: Single Phase 2 Wire
  - Output
    - Power: DC500V
    - Trigger: 300V Pulse Signal
  - Power Consumption
    - Xenon Lamp: 41J
    - Heater: 100W
  - Self Flash: 2 Flash / Sec
  - Inter lock switch
  - Temperature range: -20 ~ 55 deg
  - Humidity range: 0 ~ 95 %
  - Operating condition: out door condition

- **FLASH HEAD**
  - Input
    - Power: DC500V
    - Trigger: 300V Pulse Signal
  - Inter lock switch
  - Light intensity: 15,000cd Min(High level condition)
  - Temperature range: -20 ~ 55 deg
  - Humidity range: 0 ~ 95 %
  - Operating condition: out door condition

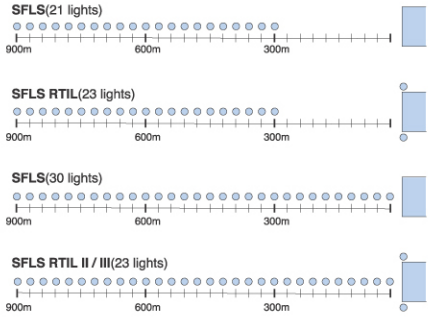
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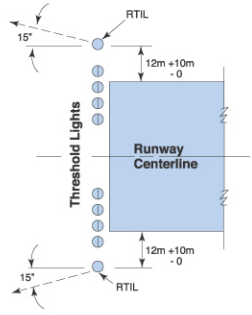


System Configuration

SFLS

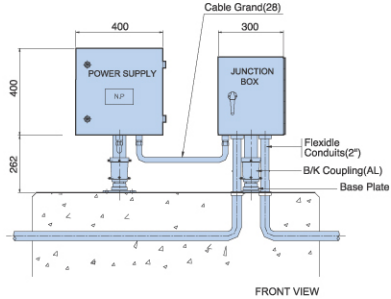


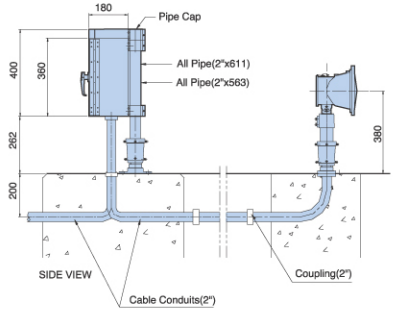
RTIL

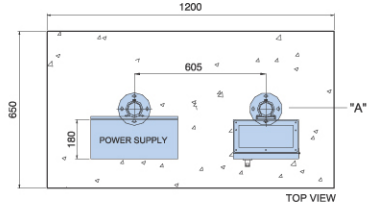


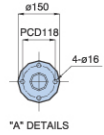
Typical Mounting System

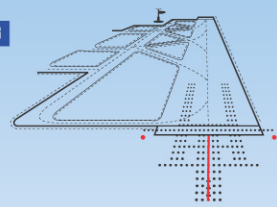
Unit : mm



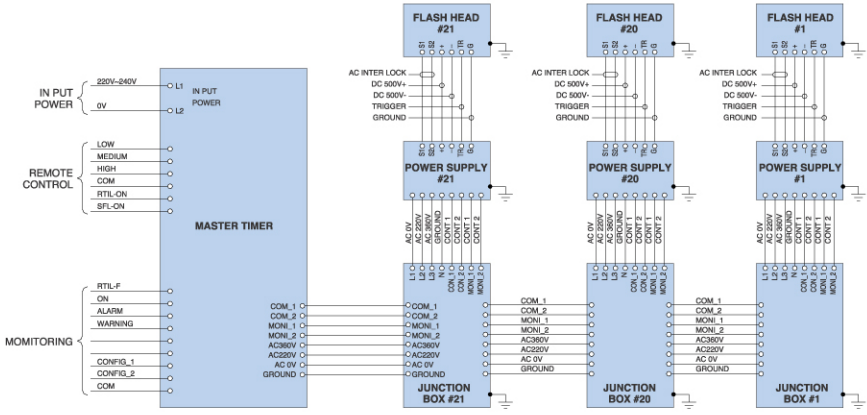




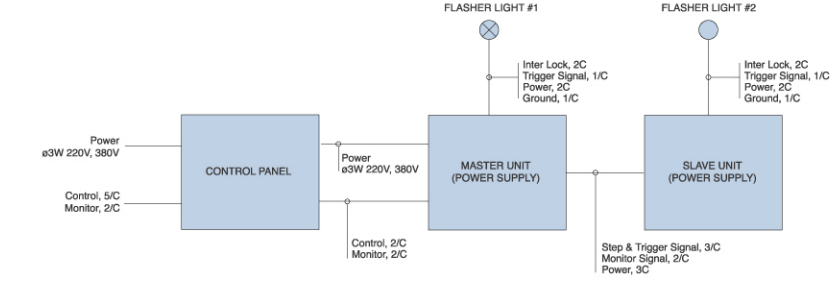




SFL System Connection Diagram



RTIL System Connection Diagram



SFL2

SEQEUNCE FLASH LIGHT

Ordering Code



Model Name

SFL2 -FL: Flash Light
PS: Power Supply
MT: Master Timer
JB: Junction Box

RTIL2 -FL: Flash Light
PS: Power Supply
CB: Control Box
JB: Junction Box

Description

Model Name	Item
SFL2-FL	Flash Lights
SFL2-PS	Power Supply
SFL2-MT	Master Timer
SFL2-JB	Junction Box
RTIL2-FL	Flash Lights
RTIL2-PS	Power Supply
RTIL2-CB	Control Box
RTIL2-JB	Junction Box

Spare Parts

Description	Specification	Ordering code
Master Timer	Power Supply	122-037A
	Control & Monitoring Board	122-037C
	Elapsed time Board	122-037D
	CPU Board	122-037E
	Drive Board	122-037F
	Fuse 250V 4A	126-379A
	Fuse 550V 30A	126-367A
	Fuse 550V 20A	126-365A
Power Supply	Power Board	122-052B
	Control Board	122-052A
	Input Board	122-052C
	Fuse 250V 4A	122-379A
Flash Head	Trigger Board	122-002A
	Xenon Lamp(41J)	111-174A

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※ Specifications and features in this catalogue are subject to change. FEB 1. 2005 SEOUL