Tower Light Series

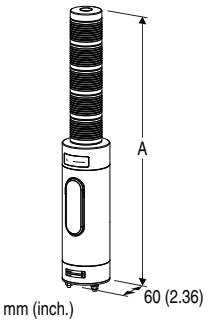
CC-Link TOWER LIGHT

(small size, 40 mm dia., 1 - 5 layers)

Functions & Features

• Lighting, blinking and buzzing are controllable with PLC.

• Separable tension clamp terminal



Lamp Layers	A
1	224 (8.82)
2	256 (10.08)
3	288 (11.34)
4	320 (12.60)
5	352 (13.86)

MODEL: IT40SRC-[1][2][3][4][5][6]D1-[7][8]

ORDERING INFORMATION

• Code number: IT40SRC-[1][2][3][4][5][6]D1-[7][8]
Specify a code from below for each of [1] through [8].
(e.g. IT40SRC-5RYGBWD1-M2/Q)

• Specify the specification for option code /Q
(e.g. /C01)

[1] LAMP LAYERS

1: 1 layer
2: 2 layers
3: 3 layers
4: 4 layers
5: 5 layers

[2] LAMP 1 COLOR

(1st layer from the top)
R: Red
Y: Amber
G: Green
B: Blue
W: White

[3] LAMP 2 COLOR

(2nd layer from the top)
R: Red
Y: Amber
G: Green
B: Blue
W: White
N: None (not available when Lamp Layers selected are 2 - 5)

[4] LAMP 3 COLOR

(3rd layer from the top)
R: Red
Y: Amber
G: Green
B: Blue
W: White
N: None (not available when Lamp Layers selected are 3 - 5)

[5] LAMP 4 COLOR

(4th layer from the top)
R: Red
Y: Amber
G: Green
B: Blue
W: White
N: None (not available when Lamp Layers selected are 4 - 5)

[6] LAMP 5 COLOR

R: Red
Y: Amber
G: Green
B: Blue
W: White
N: None (not available when Lamp Layers selected are 5)

* Select "None" option for the layers other than the selected.

MOUNTING

D: Direct mounting

DESIGN TYPE

1: Type 1

[7] POWER INPUT

AC Power

M2: 100 – 240 V AC (Operational voltage range 85 – 264 V, 47 – 66 Hz)

DC Power

R: 24 V DC

(Operational voltage range 24 V ±10 %, ripple 10 %p-p max.)

[8] OPTIONS

blank: none

/Q: With options (specify the specification)

SPECIFICATIONS OF OPTION: Q

COATING (For the detail, refer to M-System's web site.)

/C01: Silicone coating

/C02: Polyurethane coating

/C03: Rubber coating

RELATED PRODUCTS

- Mounting Pole (model: ITPL)
- Mounting Adapter (model: ITAD1)

GENERAL SPECIFICATIONS

Degree of protection: IP 65, vertical mounting only (bottom connectors excluded)

Connection

Power input:UL1007 AWG20

CC-Link: Separable tension clamp terminal

Applicable wire size: 0.2 to 1.5 mm^2, stripped length 10 mm

Recommended solderless terminal:

AI0,5-10WH 0.5mm^2 (Phoenix Contact)

AI0,75-10GY 0.75mm^2 (Phoenix Contact)

Housing material: Flame-resistant resin

Lens: Flame-resistant resin (transparent)

Isolation: Network to power input to FE1 (Functional Earth)

DIP SW Setting: Frequency of lamp blinking and buzzing discontinuance, buzzing volume level and output at connection failed. (refer to the instruction manual)

Lamp: Red, amber, green, blue and white LEDs on/blinking (approx. 2 Hz, 10 Hz)

Indicator LEDs: Power, Run, Error, SD and RD (5 LEDs) indicate the module's operating conditions. (Refer to the insruction manual)

Buzzing: Approx. 3.3 kHz

Interval: continuous/intermittent (approx. 2 Hz, 10 Hz)

CC-Link COMMUNICATION

Protocol: CC-Link V1.10

Device type: Remote I/O station

Station No. setting: Rotary switch; 1 – 64

Required node: 1

Baud rate setting: Rotary switch

156kbps, 625kbps, 2.5Mbps, 5Mbps, 10Mbps

Cable for comm. link: Specified by Mitsubishi Electric

Terminating resistor: Built-in (Selected with the DIP SW)

INSTALLATION

Power consumption

- **AC**: Approx. 5.5 VA at 100 V
  Approx. 7 VA at 200 V
  Approx. 8 VA at 240 V
- **DC**: Approx. 3 W

Operating temperature: -10 to +55°C (14 to 131°F)

Operating humidity: 30 to 90 %RH (non-condensing)

Atmosphere: No corrosive gas

Mounting: Direct mounting

Mounting direction: Vertical

Weight: Approx. 650 g (1.43 lb)

PERFORMANCE

Insulation resistance: ≥ 100 MΩ with 500 V DC

Dielectric strength: 1500 V AC @ 1 minute

(network to power to FE1)

STANDARDS & APPROVALS

EU conformity:

EMC Directive

EN 60947-5-1

Low Voltage Directive

EN 60947-5-1

24 V DC power

Installation Category III

Pollution Degree 3

100 – 240 V AC power

Installation Category II

Pollution Degree 2

Network to power: Reinforced insulation (300 V)

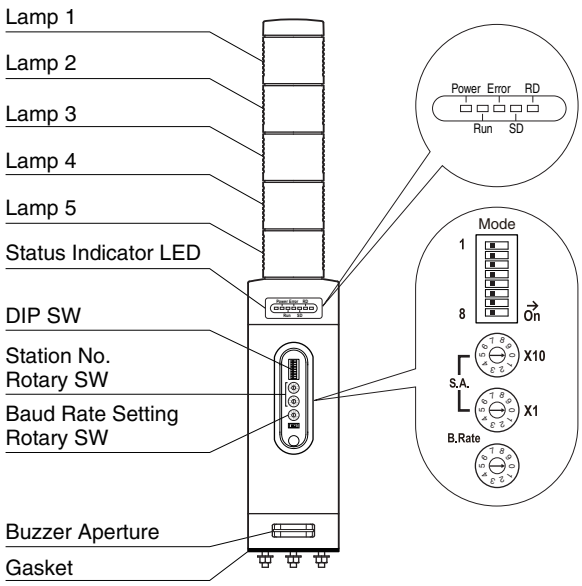
RoHS Directive

Protection against access to the terminal blocks:

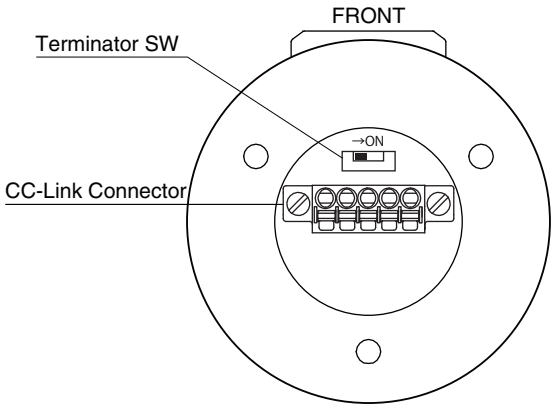
Finger protection (VDE 0660-514)

EXTERNAL VIEW

■ **FRONT VIEW (with the cover open)**

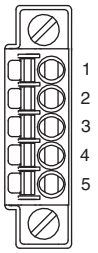


■ **BOTTOM VIEW**



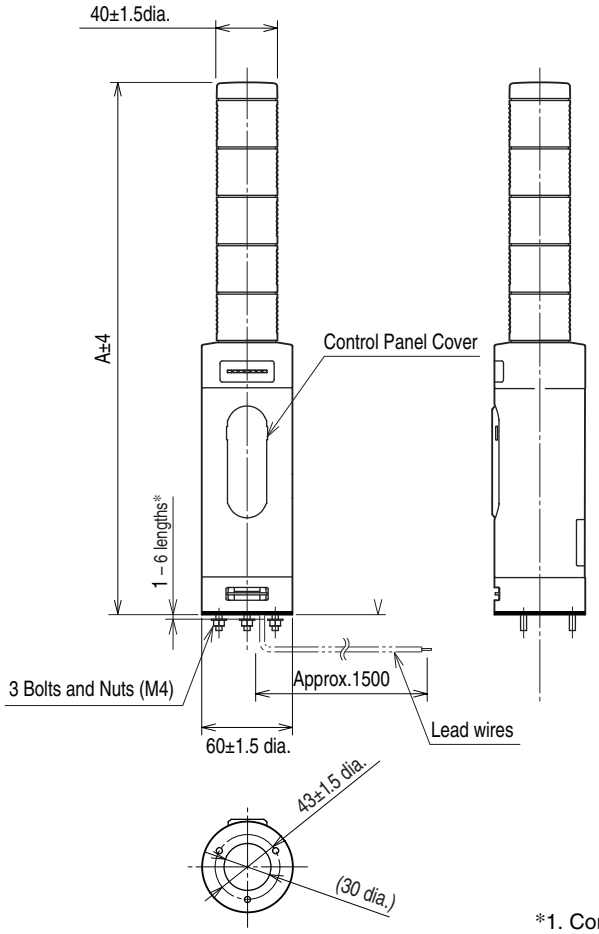
TERMINAL ASSIGNMENTS

■ **CC-Link CONNECTOR**



1.	FE	FE
2.	SLD	Shield
3.	DG	Yellow
4.	DB	White
5.	DA	Blue

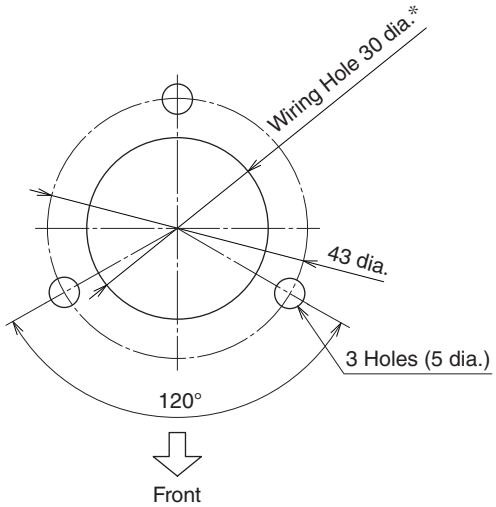
EXTERNAL DIMENSIONS unit: mm



Lamp Layers	A
1	224
2	256
3	288
4	320
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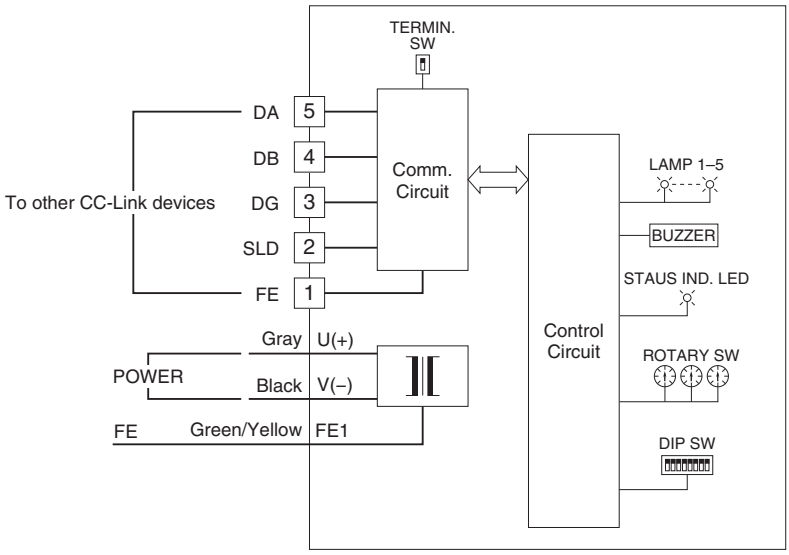
*1. Consult M-System for other bolt length.

MOUNTING REQUIREMENTS unit: mm



* Protect wires to prevent scratching them at the edge of the compartment.

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



⚠ Specifications are subject to change without notice.