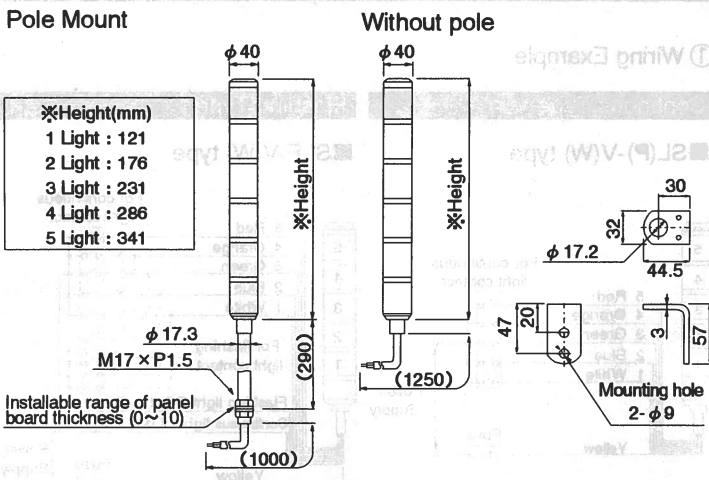


7.SPECIFICATIONS

Dimensions

Pole Mount



Specification

Layer	Model	Rated Voltage	Bulb	Wight	Wire type /Dia
1 Light	SL(F)(P)	-101V(W)	12V AC/DC	12V 0.11A	SL:440g SL-W:270g
		-102V(W)	24V AC/DC	24V 0.11A	
		-110V(W)	100V AC	110V 5W	
		-112V(W)	110~130V AC	140V 5W	
		-120V(W)	220V AC	220V 5W	
		-124V(W)	240V AC	240V 5W	
2 Light	SL(F)(P)	-201V(W)	12V AC/DC	12V 0.11A	SL:480g SL-W:310g
		-202V(W)	24V AC/DC	24V 0.11A	
		-210V(W)	100V AC	110V 5W	
		-212V(W)	110~130V AC	140V 5W	
		-220V(W)	220V AC	220V 5W	
		-224V(W)	240V AC	240V 5W	
3 Light	SL(F)(P)	-301V(W)	12V AC/DC	12V 0.11A	SL:520g SL-W:350g
		-302V(W)	24V AC/DC	24V 0.11A	
		-310V(W)	100V AC	110V 5W	
		-312V(W)	110~130V AC	140V 5W	
		-320V(W)	220V AC	220V 5W	
		-324V(W)	240V AC	240V 5W	
4 Light	SL(F)(P)	-401V(W)	12V AC/DC	12V 0.11A	SL:560g SL-W:390g
		-402V(W)	24V AC/DC	24V 0.11A	
		-410V(W)	100V AC	110V 5W	
		-412V(W)	110~130V AC	140V 5W	
		-420V(W)	220V AC	220V 5W	
		-424V(W)	240V AC	240V 5W	
5 Light	SL(F)(P)	-501V(W)	12V AC/DC	12V 0.11A	SL:600g SL-W:430g
		-502V(W)	24V AC/DC	24V 0.11A	
		-510V(W)	100V AC	110V 5W	
		-512V(W)	110~130V AC	140V 5W	
		-520V(W)	220V AC	220V 5W	
		-524V(W)	240V AC	240V 5W	

- Bulb type Glass T10 Base E10
- Flash per minute (F Type Only) 60f.p.m.

※ Dimensions and specifications are subject to change without prior notice.

CAUTION

※ We are not in a position to be responsible for damage and trouble caused by handling against caution and warning described in instruction manual.

PATLITE Corporation

HEAD OFFICE & EXPORT DEPARTMENT

/ 2-58 Wakabayashi, Yao, Osaka 581-0038 JAPAN TEL. 81-729(48)8112 FAX. 81-729(48)8188

SUBSIDIARY COMPANY PATLITE (U.S.A.) Corporation

/ 3860 Del Amo Blvd., suite #404 Torrance, CA 90503 U.S.A. TEL. 1-310(214)5286 FAX. 1-310(214)5288

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/ c/o IBO Singapore Office, 5, Shenton Way, #37-01/38-01 UIC Building, Singapore 068808 TEL. 65-(226)1111 FAX. 65-(324)1411

3060-C

'99.1.AUTO

PATLITE

3060-C

B95100059

#EVB01

SIGNAL TOWER

INSTRUCTION MANUAL

[TYPE : SL-V]

Thank you for specifying the SIGNAL TOWER for your application. Please read this manual before installing this system, and keep it carefully.

In the case of maintenance, inspection and repair, please read this manual carefully.

If you have question of this product, please feel free to contact us.

TO OPERATE THIS PRODUCT SAFELY PLEASE OBSERVE THE FOLLOWINGS.

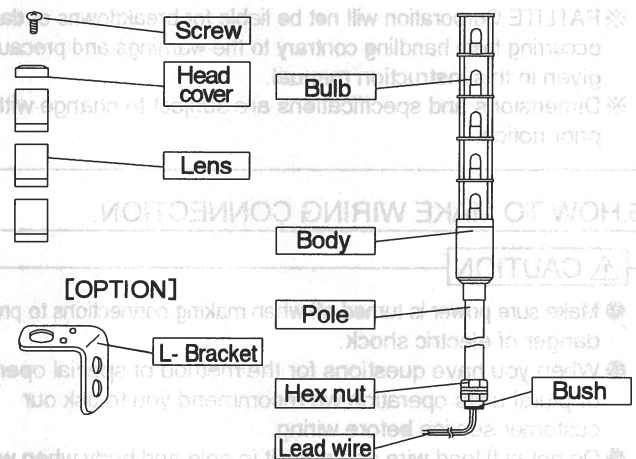
WARNING

- Make sure power is turned off before wiring.
- Do not use this product without lens or with cracked lens. It may cause electric shock.
- When the installation of this product requires the construction, please ask to specialist. Electric shock, fire and fall may occur.
- Make sure power is turned off and the temperature of electric bulb falls down for repair to avoid electric shock and burn.
- When you use this product for security purpose, routine inspection must be done. Just in case of emergency we recommend you to use this product together with other security product.

CAUTION

- Use only specified operating voltage. Excess voltage hastens degradation.
- For the replacement parts such as bulb and fuse etc. Be sure to use ones specified on this manual.
- Make sure to connect fuse to power supply as shown in wiring example.
- We are not in a position to be responsible for damage and trouble caused by handling against caution and warning described in this manual.

1.PARTS NAME



2.REPLACEMENT PARTS

The replacement parts are prepared per type. When you purchase, please ask your local distributor for availability.

- Lens(per color)
- Bulb(per voltage)
- Head cover(per type)
- Bush

If you have question please feel to contact us about other parts.

3. TYPE NO. CONFIGURATION

SLFP-310V

Body finish

P : Without painting

No : Painting

Light style

1~5Light style

Mounting

V : Pole

W : Witout pole

Light method

Continuous lighting

or flashing

Continuous lighting

Rated voltage

01 : 12V AC/DC

02 : 24V AC/DC

10 : 100V AC

12 : 110~130V AC

20 : 220V AC

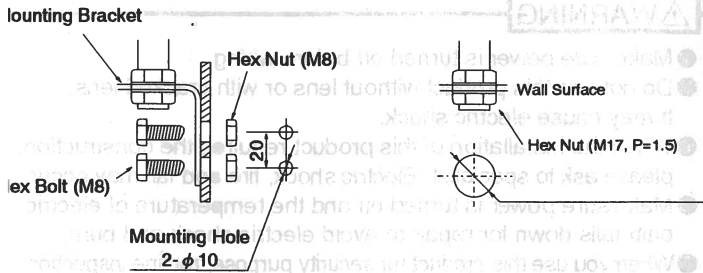
24 : 240V AC

1. HOW TO USE

Mounting

- Make mounting holes in wall. (Refer to the following installation drawing)
- Tighten with nuts and bolts.

Flat Surface Installation



Side Mounting Installation

CAUTION

- Signal Tower is indoor use only. Do not expose to water.
- Signal Tower must be mounted in a vertical position where it has enough strength and less vibration. Do not install it horizontally or reversely.
- Make sure of the specified operating voltage and current before use.
- Do not use or leave the unit without lenses.
- Use the soft cloth with moisture when the lenses or bodies must be cleaned up.
(Do not use thinner, benzene, gasoline or oil.)
- Make sure power is turned off for electric shock prevention in case of bulb repair.
- Make sure not to use any other bulbs except ones described in specifications.

※PATLITE Corporation will not be liable for breakdowns or damage occurring from handling contrary to the warnings and precautions given in this instruction manual.

※Dimensions and specifications are subject to change without prior notice.

2. HOW TO MAKE WIRING CONNECTION

CAUTION

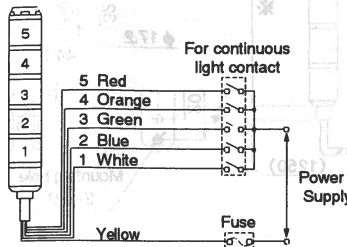
- Make sure power is turned off when making connections to prevent danger of electric shock.
- When you have questions for the method of special operation or plural units operation, we recommend you to ask our customer service before wiring.
- Do not pull lead wire and push it in pole and body when wiring.
- Enough attention shall be paid for wiring because when you make mistake in wiring, a circuit may break down.
- For less than 5 layer wiring, please make wiring connection by increasing and decreasing outer contacts in each step according to wiring example.
- Make sure to set fuse in a power supply side, please connect a fuse.
- When more than two SL(F) type are operated simultaneously, make outer contact independently for each SL(F) type.

Do not use contactless relay for outer contact in order to avoid malfunction.

1. Wiring Example

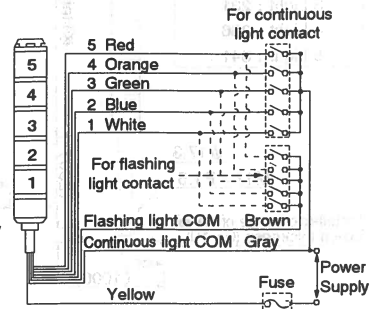
Continuous Type

SL(P)-V(W) type



Flashing Type

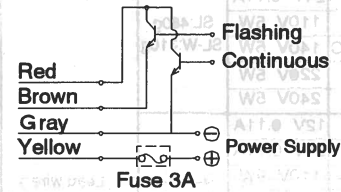
SLF-V(W) type



VOLTAGE	Fuse
12V ~ 24V	3 A
100V ~ 240V	1 A

2. wiring should be made as follows in case of using transistor as outer contact.

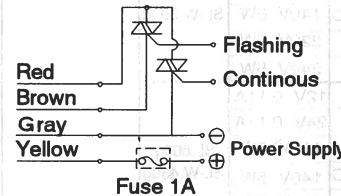
12V, 24V DC Model only



Type	TRANSISTOR (NPN or PNP)
Current capacity	IC ≥ 0.5A
Withstand voltage	VC ≥ 35V

※When using PNP transistor, reverse power supply polarity on output side.

AC Model only



Type	SSR
Current capacity	IC ≥ 0.5A
Withstand voltage	VC ≥ 250V
Leak current	IL ≤ 6mA

Outer contact capacity

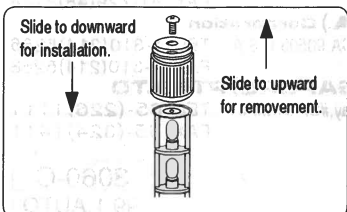
Voltage Type	12V AC / DC	24V AC / DC	100V AC	110~130V AC	200~240V AC
1-Light					
Current consumption	0.11A	0.11A	0.05A	0.04A	0.025A
Contact capacity	Is ≥ 1.5A Vs ≥ 25V AC	Is ≥ 1.5A Vs ≥ 35V AC	Is ≥ 1A Vs ≥ 120V AC	Is ≥ 1A Vs ≥ 150V AC	Is ≥ 1A Vs ≥ 250V AC

※Is : Current capacity Vs : Withstand voltage

6. MAINTENANCE

1. Change Lens

- Make sure power is turned off when changing lens.
- Loosen head cover screw, then put the lens off.
- Put in the new lens, then installing head cover.



2. Change Bulb

- Remove lens.
(Refer to the "Change Lens" instruction mentioned above.)
- Remove bulb by means of turning to left.
- Install new bulb by means of turning to right.

