

DeviceNet Supported

LHE-D3 / LE-D3 / WEP-D3

DeviceNet™

LED



90dB/m
(LE type: 85dB/m)

Electronic Sound 2
(WEP type: 1 sound)

IP23



LHE-D3 type



LE-D3 type



WEP-D3 type

DeviceNet Supported Signal Tower for Open-field Network

- Single Cable: Uses DeviceNet cable only, which transfers power and signals for control.
- Easy Connection: Directly connect up to 64 linked DeviceNet units with DeviceNet cable, without I/O terminals.
- Required Device: DeviceNet-type controller (i.e. DeviceNet master).
- Data Storage: Addresses set by dip switch.
- Light Pattern: Continuous only, no flashing.
- B type: Built-in alarm; LHE: 90dB/m (adjustable), LE: 85dB/m (adjustable), WEP: 90dB/m.
- Sound Pattern: LHE / LE: Intermittent tone, Alarm 1: short beep, Alarm 2: long beep. WEP: 1 alarm, continuous tone only.
- Interchangeable modules*: No re-wiring even after installation, except for WEP type.

*Refer to the standard non-fieldbus model for details.

Ø70 IP23

LHE-D3
LHE-D3B

- Sound Pattern: Short beep or long beep up to 90dB (at 1m)
- Installation: Upright and indoors only.

Ø50 IP23

Direct mount

LE-D3
LE-D3B

Pole mount

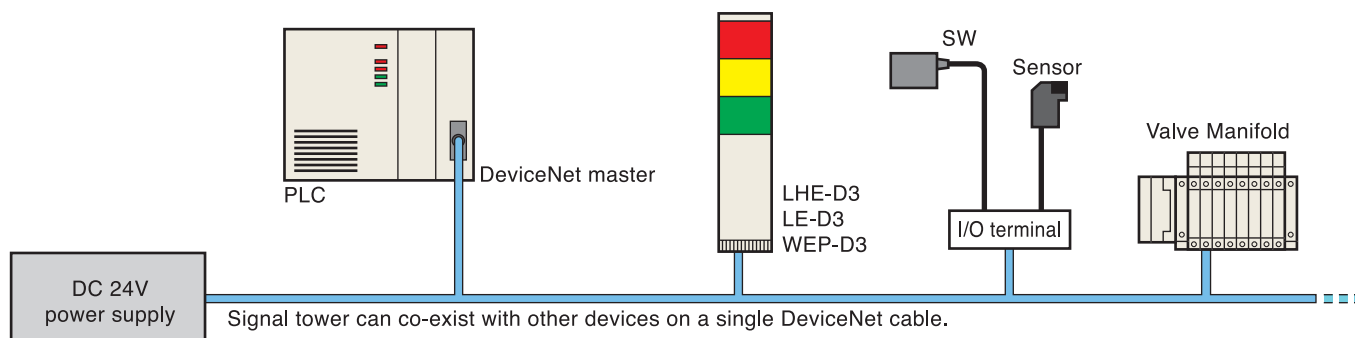
LE-D3P
LE-D3BP

- Original Dual Reflection System: For enhanced light diffusion, creating bright distinctive illumination while saving energy (PAT P.).
- LE-D3B: Intermittent tone, up to 85dB (at 1m).
2 Selections: 1) fast beep; 2) slow beep
- Installation: Indoors and upright only.
- Options Available: Direct or pole mount.

Profile
37.5mm

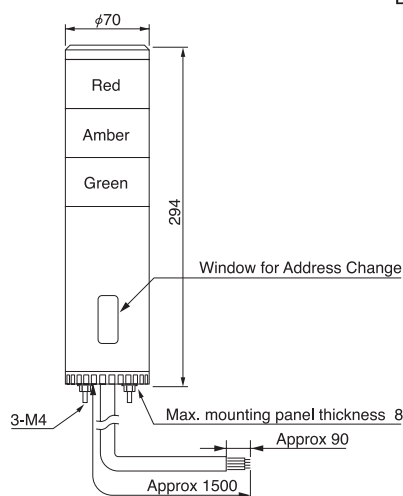
WEP-D3
WEP-D3B

- Clear Vertical Cut Lens: For enhanced illumination over a wide perspective.
- Sound Pattern: Continuous tone up to 90dB (at 1m)
- Installation: Indoors only, vertical or horizontal, either direction except for alarm (B) type: alarm exit must face downward.

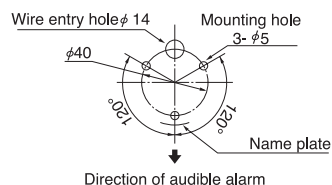


Dimensions

LHE-D3

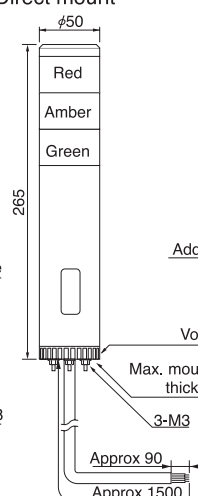


Mounting Dimension

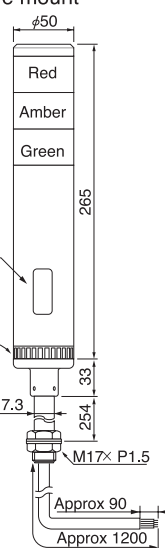


LE-D3

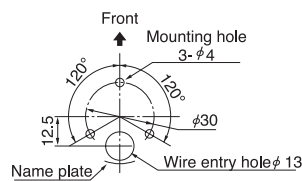
Direct mount



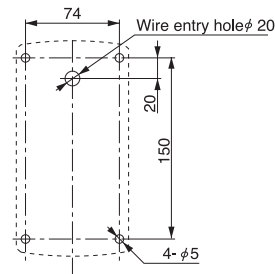
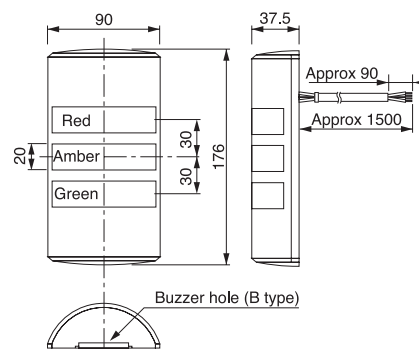
Pole mount



Mounting Dimension



WEP-D3



Buzzer type required to be installed vertically with the buzzer outlet downward. (mm)

Wire Color	Signal
RED	V+ (DC24V)
WHITE	CAN - H
(NONE)	DRAIN
BLUE	CAN - L
BLACK	V- (0V)

LHE-D3 / LE-D3 / WEP-D3 type

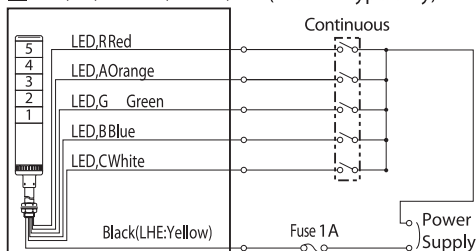
Number of stacks	Model	Audible alarm	Signal Line	Current consumption		
				DeviceNet PCB (Max.)	LED Element (Max.)	Audible alarm (Max.)
3 Lights Red Amber Green	LHE-D3	N/A	V+ (DC24V), CAN - H, DRAIN, CAN - L, V- (0V)	60mA	50mA(Red,Amber) 40mA(Green)	40mA
	LHE-D3B	available			25mA(Red,Amber) 20mA(Green)	40mA
	LE-D3W/LE-D3P	N/A			30mA(Red,Amber) 25mA(Green)	40mA
	LE-D3BW/LE-D3BP	available				
	WEP-D3	N/A				
	WEP-D3B	available				

Electric power is supplied by DeviceNet cable. Patlite's standard signal tower for field bus application is the 3-light style.

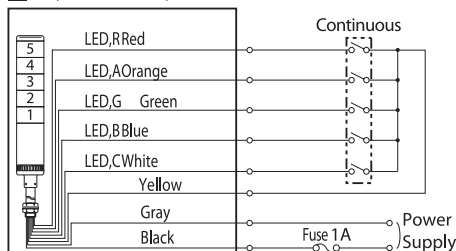
LES/LE/LHE Wiring Diagram

(LE-□□□(FB)(W)(P) Model)

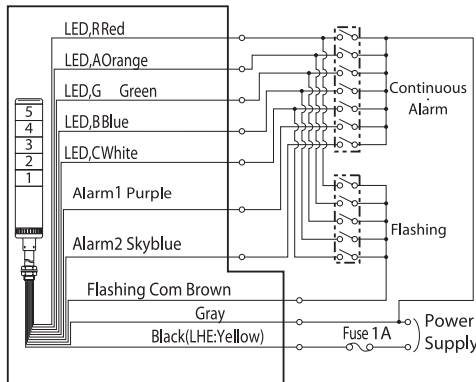
■ LES/LE/LHE AC/DC 12/24V(LES:24V type only)



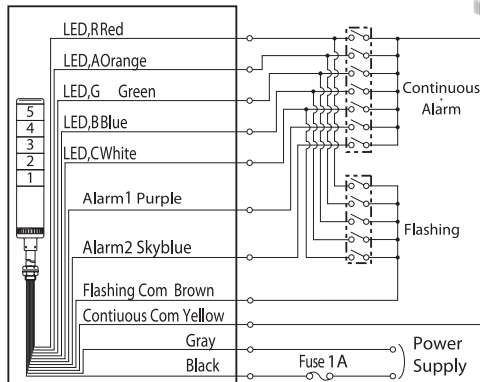
■ LE/LHE AC 100/220V



■ LE/LHE-FB AC/DC 12/24V



■ LE/LHE-FB AC 100/220V



LE LES LHE

■ Lead wire color correspondence table

Color of LED unit	Color of Lead wire
Red	Red
Amber	Orange
Green	Green
Blue	Blue
Clear	White

※LE type: All 5 light wires are supplied even if all colors are not used.

Alarm	Color of Lead wire
Alarm1	Purple
Alarm2	Skyblue

※Alarm wires do not exist for continuous only model.

■ Fuse for outer contact protection

Voltage	Fuse
All voltage types	1A

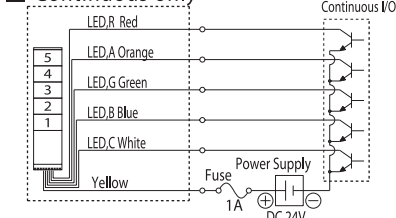
■ Voltage and Amperage of lead wire per layer

Model	Voltage Type	Signal Line Voltage	LED Signal Line Current	Alarm
LE	AC/DC 12V	AC/DC 12V	R,A:50mA G,C:40mA B:44mA	Signal Line Current 40mA
LHE-A	AC/DC 24V	AC/DC 24V	R,A:50mA G,C,B:40mA	
LES/LE			R,A:25mA G,C:20mA B:22mA	
LHE-A	AC100V,220V	DC 24V	R,A:50mA G,C,B:40mA	Rush Current 150mA
LE			R,A:25mA G,C:20mA B:22mA	

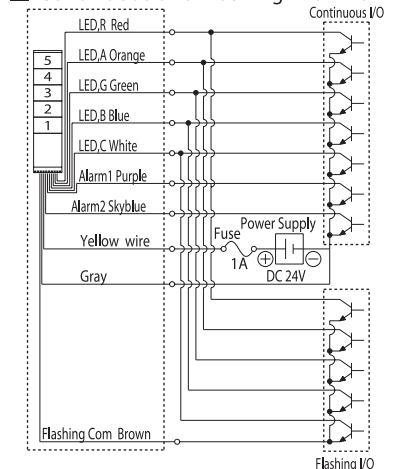
NPN(PNP)Transistor

DC24V NPN Transistor

■ Continuous only

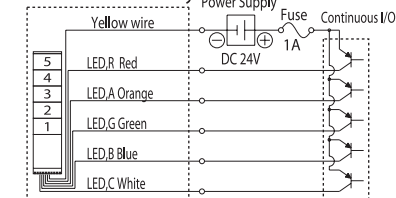


■ Continuous and Flashing with Alarm

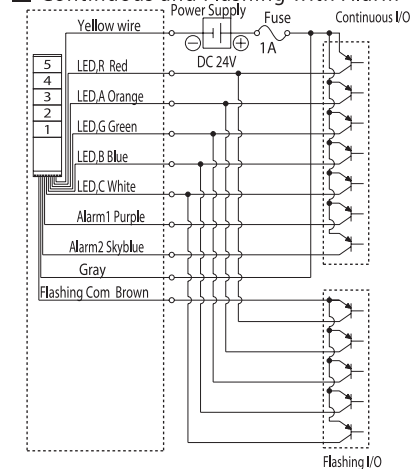


DC24V Transistor

■ Continuous only

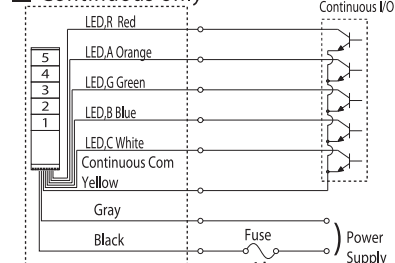


■ Continuous and Flashing with Alarm

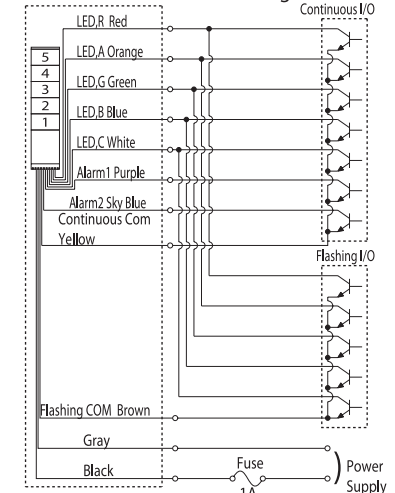


AC100/220V NPN Transistor

■ Continuous only



■ Continuous and Flashing with Alarm

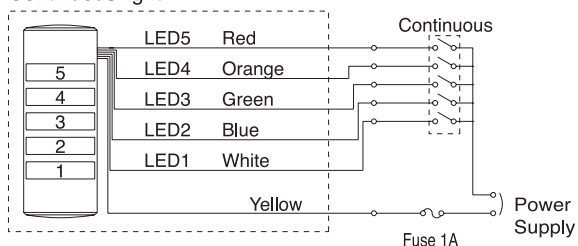


	Transistor	Current Capacity	Withstand Voltage	Current Leak
LES	NPN or PNP	Ic^100mA (LED UNIT)	Vc^35V	IL%1mA
LE		Ic^300mA (Alarm)	Vc^50V	
LHE		Ic^50mA (LED UNIT)		

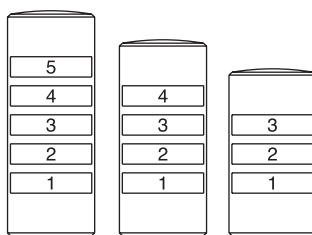
WEP/WE Wiring Diagram

[WEP/WE-ccc(FB) Model]

Continuous light

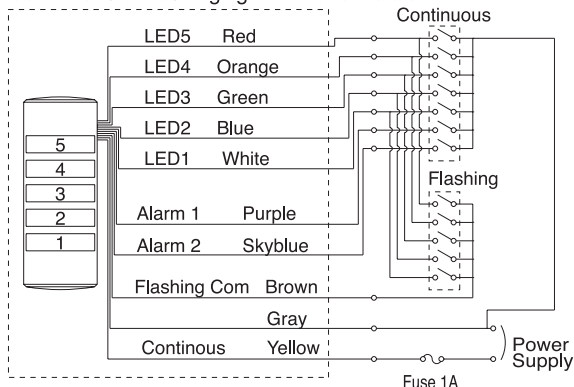


Wire color



WEP/WE

Continuous or flashing light with audible alarm



Light

Wire color	5 Lights	4 Lights	3 Lights
Red	5	4	3
Orange	4	3	2
Green	3	2	1
Blue	2	1	-
White	1	-	-

Alarm

	Wire color	Sound
Alarm 1	Purple	Short pips
Alarm 2	Skyblue	Long beeps

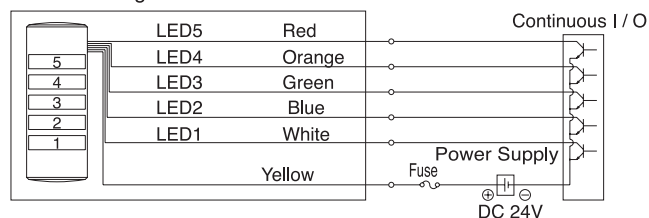
Voltage and Amperage of lead wire per layer

Model	Voltage Type	Signal Line Voltage	LED		Alarm	
			Signal Line Current R,A	Current G,B,C	Signal Line Current	Rush Current
WEP/WE	AC/DC 24V	AC/DC 24V	30mA	25mA	40mA	250mA

DC 24V NPN(PNP) Transistor

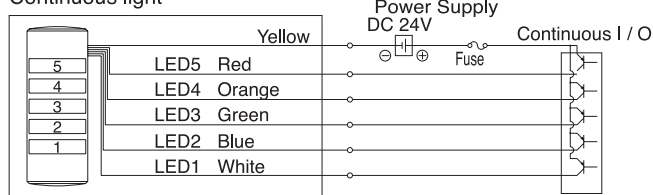
NPN Transistor

Continuous light

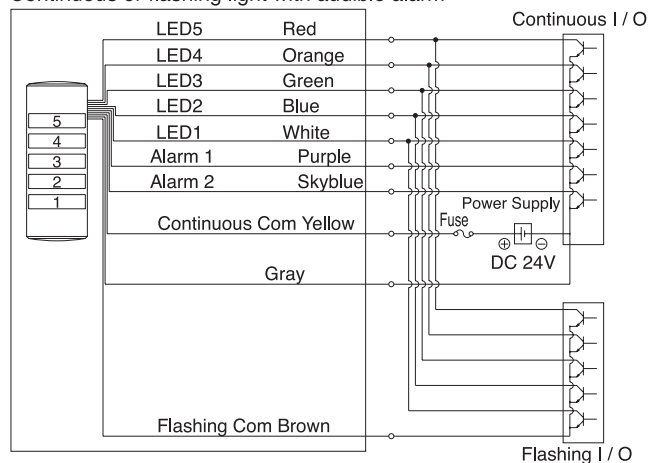


PNP Transistor

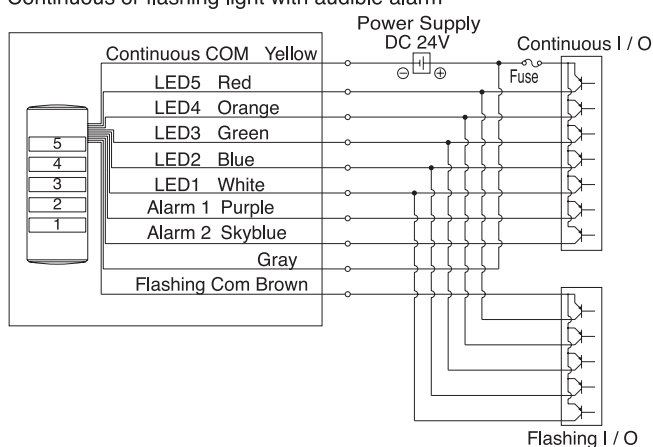
Continuous light



Continuous or flashing light with audible alarm



Continuous or flashing light with audible alarm



Type	Transistor (NPN or PNP)	Voltage	$V_c \wedge 35V$ ($48V:V_c \wedge 63V$)
Current Capacity	$I_c \wedge 0.1A$ Buzzer 300mA	Current Leak	$IL \% 0.1A$

[Fuse rate]

1A