



DESCRIPTION

- Display status of the machine equipment
- Size 80 mm., Available in both AC and DC
- Can display status up to 5 layers, 5 colors
- Red, Yellow, Green, Blue, White
- Display with LED, prolonging the service life
- There are both continuous and flashing patterns in the same body.
- Buzzer alert at loudness 90 dB Max (at 1 M.)
- Push/ Pull Connection can be used for both NPN / PNP, Open Collector
- RS-485 MODBUS RTU Protocol Communication (TL80-20M, TL80-2BM, TL80-30M and TL80-3BM models only)
- Anti-rust protection material IP 54
- Can be seen clearly 360 degree
- Can be easily assembled

TECHNICAL SPECIFICATION

Power Supply		100-240 VAC
		24 VAC/VDC ±10%
Power Consumption		1 VA/Light
Color of LED Unit		Red, Yellow, Green, Blue, White
Status Pattern (Setting)	Continue	
	Flashing and Buzzer	50 Time/Minute
		115 Time/Minute
		517 Time/Minute
Buzzer		90 dB Max (at 1M.)
Lamp Life		100,000 Hr.
Communication	Protocol	MODBUS RTU
	Baud Rate	9,600
	Parity	None
	Stop Bit	1
	Data Bit	8
	Maximum Support Node	128
Ambient Operation	Temperature	-10 °C to 60 °C
	Humidity	85% RH Non-Condensing
Ambient Storage	Temperature	-20 °C to 80 °C
	Humidity	85% RH Non-Condensing
Protection Degree		IP 54
Material	Tower	ABS-V0
Size		80 mm.
Weight		630 g.

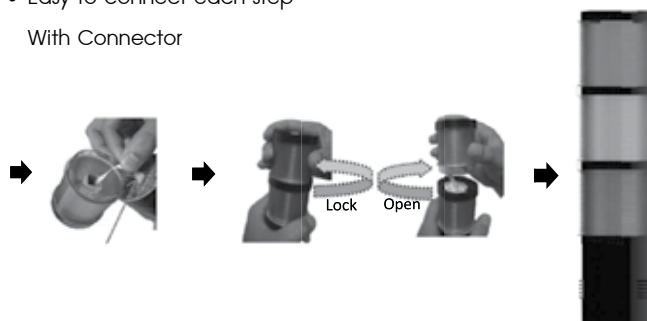
OPERATION

When installing and connecting the circuit according to the connection pattern and when the switch is ON according to the color position of the TL80, the lamp of that position will light up according to the desired Function to remind the operator to know the status of the machine such as Green means the machine is working Yellow means informing the operator to see the machine. Red means the machine stopped working or else

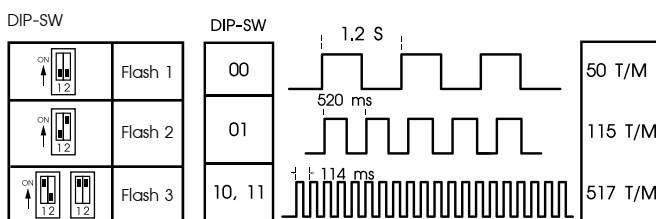
In addition, there is a buzzer to sound an alarm in the event that the operator is far from the machine that is loud 90 dB Max (at 1 M.) or send notification information via Computer with RS-485

SIGNAL TOWER LIGHT ASSAMBLY

- Easy to connect each step With Connector



FLASH PATTERN

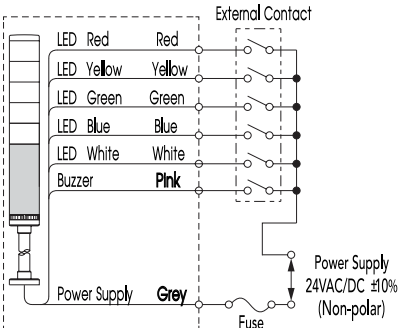


WIRING DIAGRAM

• Wiring Example (Contact Switch)

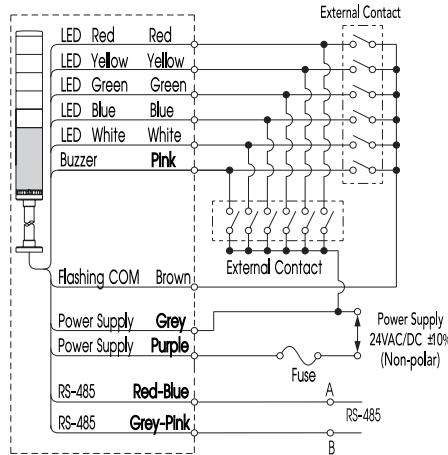
■ [Continuous Lighting]

TL80-100/ TL80-1B0



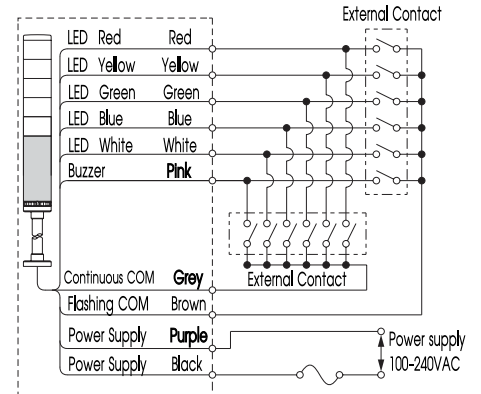
■ [Continuous Lighting, Flashing]

TL80-200/ TL80-20M/ TL80-2B0/ TL80-2BM



CAUTION Do not apply voltage to the Flashing COM (Brown) wire.

TL80-300/ TL80-3B0

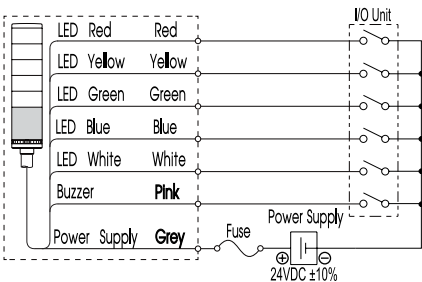


CAUTION Only apply voltage to the Power Supply Wire.

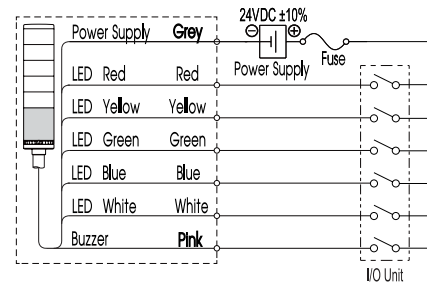
• Wiring Example (NPN/PNP Transistor Drive)

■ [Continuous Lighting]

TL80-100/ TL80-1B0 (NPN Drive)

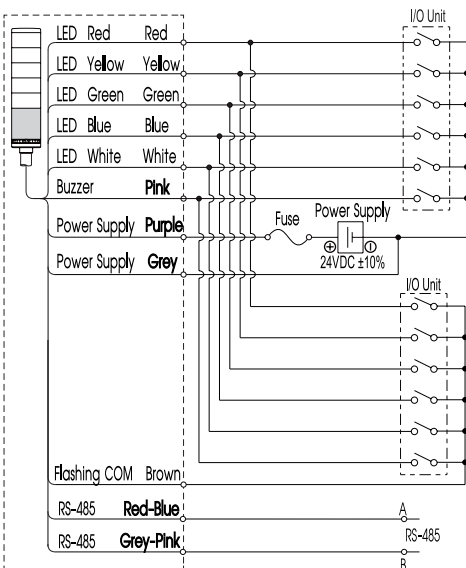


TL80-100/ TL80-1B0 (PNP Drive)



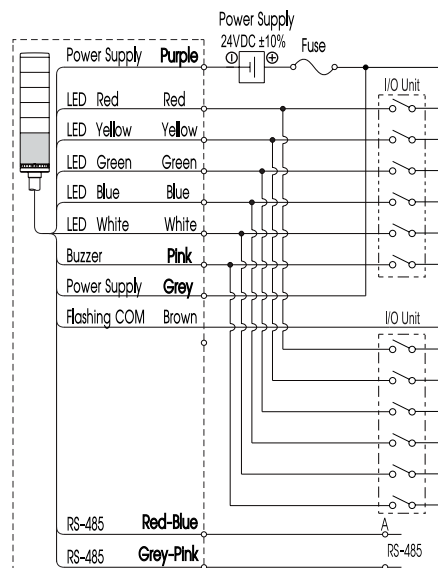
■ [Continuous Lighting, Flashing]

TL80-200/ TL80-20M/ TL80-2B0/ TL80-2BM (NPN Drive)



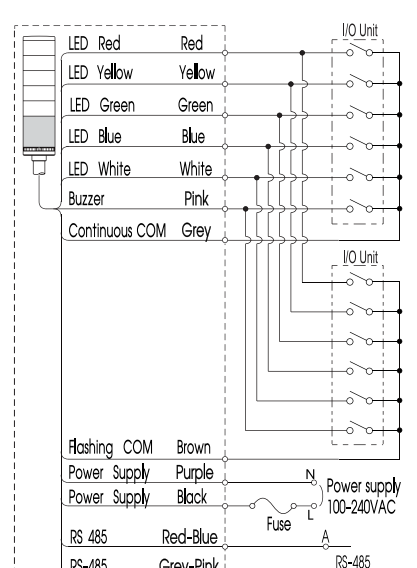
CAUTION Do not apply voltage to the Flashing COM (Brown) wire.

TL80-200/ TL80-20M/ TL80-2B0/ TL80-2BM (PNP Drive)



CAUTION Do not apply voltage to the Flashing COM (Brown) wire.

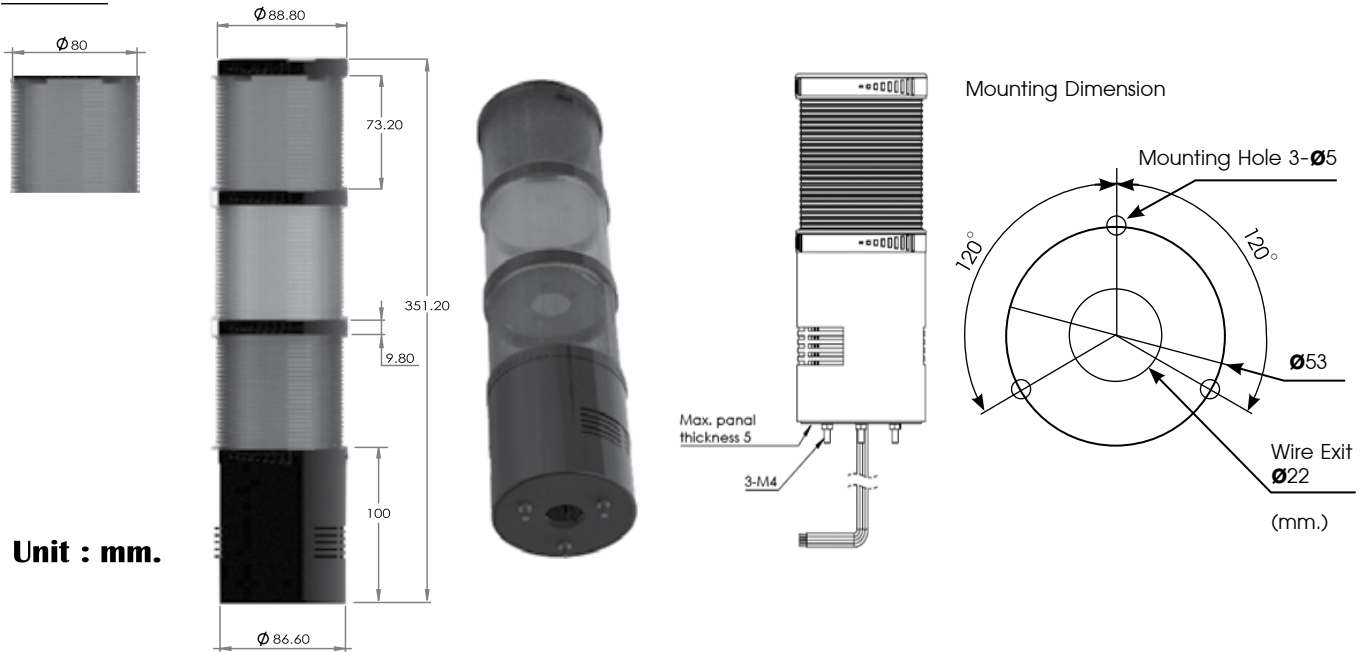
TL80-300/ TL80-3B0 /TL80-30M/ TL80-3BM (NPN Drive)



CAUTION Only apply voltage to the Power Supply Wire.

DIMENSION

TL80-SERIES



ORDERING CODE



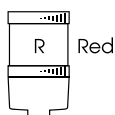
POWER SUPPLY & OPTION	
100	24 VAC/VDC \pm 10% (Status Pattern Continuous)
200	24 VAC/VDC \pm 10% (Status Pattern Continuous/ Flashing)
300	100-240 VAC (Status Pattern Continuous/ Flashing)
1B0	24 VAC/VDC \pm 10% (Status Pattern Continuous) + Buzzer
2B0	24 VAC/VDC \pm 10% (Status Pattern Continuous/ Flashing) + Buzzer
3B0	100-240 VAC (Status Pattern Continuous/ Flashing) + Buzzer
20M	24 VAC/VDC \pm 10% (Status Pattern Continuous/ Flashing) + RS-485
2BM	24 VAC/VDC \pm 10% (Status Pattern Continuous/ Flashing) + Buzzer + RS-485
30M	100-240VAC (Status Pattern Continuous/Flashing)+RS485
3BM	100-240VAC (Status Pattern Continuous/Flashing)+Buzzer+RS485

COLOR	
G	Green
Y	Yellow
R	Red
B	Blue
W	White

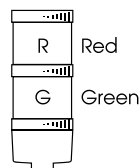
*** maximum selection 5 layers, 5 colors

EXAMPLE

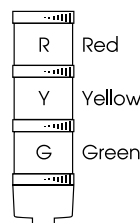
TL80-100-R



TL80-100-GR



TL80-100-GYR



TL80-200-GYRBW

