



ALARMS & INDICATION

75 MM TOWER LIGHTS TWS SERIES

DESCRIPTION

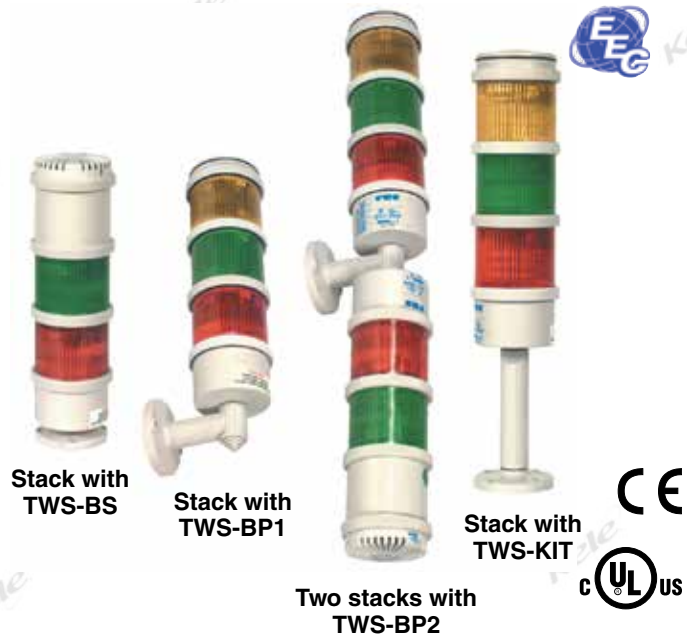
The EEC TWS Series tower lights enable stacking of up to five signaling devices. Each device has its own set of contacts. Starting with a bottom module, up to five devices can be added in any combination of continuous and flashing incandescent lights, continuous and flashing LED lights, and Xenon strobes. Each stack can be capped with a horn. Each light comes in a variety of colors, and all lamps are replaceable. Several wall- and pedestal-mounting configurations are available.

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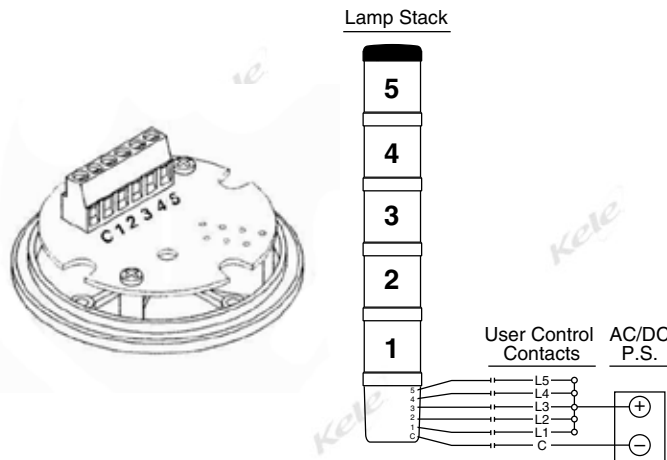
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FEATURES

- Up to 6 colors available
- Horn module available
- Each lamp individually initiated
- 24 AC/DC or 110VAC voltages
- IP65 (IP20 for Horn)
- 4 mounting styles
- 5 modules per stack (10 with Double Stack)



WIRING



SPECIFICATIONS

Supply Voltage	24 VAC/VDC, 110 VAC	Operating Temperature	-22° to 140°F (-30° to 60°C)
Power		Strobe	14° to 122°F (-10° to 50°C)
Light module	5W 24-120 VAC/VDC	Enclosure Rating	NEMA 4, IP65, Horn derates to IP20
Horn module	24V-6 mA, 110V-4 mA	Horn	NEMA 1, IP20 upward mount NEMA 1, IP24 downward mount
Color	Blue, Amber, Red, Green, Yellow, Clear	Dimensions	
Flash Rate	Flashes per minute (FPM)	Base	2.68"H x 2.95" dia (6.8 x 7.5 cm)
Incandescent LED	110 FPM ±20 FPM	Light	2.72"H x 2.95" dia (6.9 x 7.5 cm)
Strobe	65 FPM ±10 FPM (24 VAC/DC) 90 FPM ±20 FPM (110/240 VAC)	Horn	3.11"H x 2.95" dia (7.9 x 7.5 cm)
Horn Loudness	Medium, 76-86 dB @ 1 meter	Approvals	CE, UL File #E194312
Mounting	2.13" (5.4 cm) centers	Warranty	1 year
Wall	Two holes		
Surface	Four holes		

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ORDERING INFORMATION

Steps	Direction	Part Number	Description						
1	Select Module and Cap (1 required)	TWS-BC	Bottom wiring module and cap (May need two for double stack)						
2	Select Mounting Base (1 required only)	TWS-BS	Base with gasket						
		TWS-BP1	Single stack wall-mount base						
		TWS-BP2	Double stack wall-mount base						
		TWS-KIT	Base and stem extension						
3	Select Lighting Modules (5 maximum) (1 required) Note: All must be the same voltage	Module Voltage Range	Color	Continuous Incandescent	Flashing Incandescent	Continuous LED	Flashing LED	Strobe	
		Part Number							
		24 VAC	BLUE	TWS-F1G	TWS-L1G	TWS-FL1G	TWS-LL1G	TWS-X1G	
		24 VDC	BLUE	TWS-F1N	TWS-L1N	TWS-FL1N	TWS-LL1N	TWS-X1N	
		110 VAC	BLUE	TWS-F1A	TWS-L1A	TWS-FL1A	TWS-LL1A	TWS-X1A	
		24 VAC	AMBER	TWS-F2G	TWS-L2G	TWS-FL2G	TWS-LL2G	TWS-X2G	
		24 VDC	AMBER	TWS-F2N	TWS-L2N	TWS-FL2N	TWS-LL2N	TWS-X2N	
		110 VAC	AMBER	TWS-F2A	TWS-L2A	TWS-FL2A	TWS-LL2A	TWS-X2A	
		24 VAC	RED	TWS-F3G	TWS-L3G	TWS-FL3G	TWS-LL3G	TWS-X3G	
		24 VDC	RED	TWS-F3N	TWS-L3N	TWS-FL3N	TWS-LL3N	TWS-X3N	
		110 VAC	RED	TWS-F3A	TWS-L3A	TWS-FL3A	TWS-LL3A	TWS-X3A	
		24 VAC	GREEN	TWS-F4G	TWS-L4G	TWS-FL4G	TWS-LL4G	TWS-X4G	
		24 VDC	GREEN	TWS-F4N	TWS-L4N	TWS-FL4N	TWS-LL4N	TWS-X4N	
		110 VAC	GREEN	TWS-F4A	TWS-L4A	TWS-FL4A	TWS-LL4A	TWS-X4A	
		24 VAC	YELLOW	TWS-F5G	TWS-L5G	TWS-FL5G	TWS-LL5G	TWS-X5G	
		24 VDC	YELLOW	TWS-F5N	TWS-L5N	TWS-FL5N	TWS-LL5N	TWS-X5N	
		110 VAC	YELLOW	TWS-F5A	TWS-L5A	TWS-FL5A	TWS-LL5A	TWS-X5A	
		24 VAC	CLEAR	TWS-F6G	TWS-L6G	-	-	TWS-X6G	
24 VDC	CLEAR	TWS-F6N	TWS-L6N	-	-	TWS-X6N			
110 VAC	CLEAR	TWS-F6A	TWS-L6A	-	-	TWS-X6A			
4	Select Horn (1 maximum per stack) (Not required)	24 VAC	TWS-AG						
		24 VDC	TWS-AN						
		110 VAC	TWS-AA						

Note: A complete assembly has parts from steps - 1, 2, 3 and sometimes 4

ACCESSORIES

691-K0A	Control transformer, 120:24 VAC, 40 VA, Class 2
DCP-1.5-W	Power supply, 24 VAC IN to 24 VDC OUT
DCPA-1.2	Power supply, 120 VAC In to 24 VAC/24 VDC Out
TWS-BA15D-G	24 VAC Replacement IC Lamp
TWS-BA15D-N	24 VDC Replacement IC Lamp
TWS-BA15D-A	110VAC Replacement IC Lamp
TWS-LED1-G	24 VAC Blue replacement LED
TWS-LED1-N	24 VDC Blue replacement LED
TWS-LED1-A	110 VAC Blue replacement LED
TWS-LED2-G	24 VAC Amber replacement LED
TWS-LED2-N	24 VDC Amber replacement LED
TWS-LED2-A	110 VAC Amber replacement LED
TWS-LED3-G	24 VAC Red replacement LED
TWS-LED3-N	24 VDC Red replacement LED
TWS-LED3-A	110 VAC Red replacement LED
TWS-LED4-G	24 VAC Green replacement LED
TWS-LED4-N	24 VDC Green replacement LED
TWS-LED4-A	110 VAC Green replacement LED
TWS-LED5-G	24 VAC Yellow replacement LED
TWS-LED5-N	24 VDC Yellow replacement LED
TWS-LED5-A	110 VAC Yellow replacement LED
TWS-LRX2J	Universal Xenon replacement- requires solder connection