

SPECIFICATIONS

[General Specifications]

Product Name		Signal Tower																											
Model		WME-□02D																											
Rated Voltage		24V DC																											
Operating Voltage Range		Rated Voltage ±10%																											
Signal Wire Current /Power Consumption			Per LED Unit																										
			Red	Amber	Green	Blue	White																						
		Signal wire current	Typ.	22mA	26mA	15mA	29mA	29mA																					
		Max.	26mA	35mA	20mA	35mA	35mA																						
Rated Power Consumption		Typ.	0.5W	0.6W	0.4W	0.7W	0.7W																						
		Max.	0.7W	0.9W	0.5W	0.9W	0.9W																						
Inrush Current	Power Supply Wire	-																											
	Signal Wire	-																											
Operating Ambient Temperature		-10℃ to +55 ℃																											
Operating Ambient Humidity		Less than 90% (No condensation)																											
Storage Ambient Temperature		-15℃ to +60 ℃																											
Storage Ambient Humidity		Less than 90% (No condensation)																											
Mounting Location		Indoor Only																											
Mounting Direction		Upright		Upward		Downward		Horizontal																					
Protection Rating		IP54 (IEC 60529)																											
Environmental Condition		Upright		Upward		Downward		Horizontal																					
Vibration Resistance		20m/s ² (JIS C 60068-2-6)																											
Insulation Resistance		More than 1MΩ at 500VDC between live part and non-current carrying metallic part																											
Withstand Voltage		500VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation																											
Luminous Intensity (Typ.)		Red : 2000mcd Amber : 5200mcd Green : 3100mcd Blue : 1700mcd White : 8700mcd																											
Mass (Tolerance ±10%)		1tier : 0.28kg 2tiers : 0.37kg 3tiers : 0.46kg 4tiers : 0.55kg 5tiers : 0.64kg																											
Outer Dimensions		Refer to the Outer Dimensions Drawing																											
Conformity Standards		UL 508, CSA-C22.2 No. 14			EMC Directive (EN 61000-6-4, EN 61000-6-2)																								
		RoHS Directive (EN 50581)			FCC Part15 SubpartB Class A																								
		KC (KN 61000-6-4, KN 61000-6-2)																											
Remarks		• Due to the characteristics of the LED elements, a variation in difference of the color tone and brightness of every product may occur. • Power Consumption is the sum total of each LED Unit. Example) WME-302D-RYG Rated Power Consumption(Typ.) 0.5W(LED Unit Red)+0.6W(LED Unit Amber)+0.4W(LED Unit Green) = 1.5W • Model Number Configuration																											
		<table><tr><td>Model</td><td>Tiers</td><td>Rated Voltage</td><td colspan="2">LED Unit Color</td></tr><tr><td>WME</td><td>-</td><td>02</td><td>D</td><td>-</td></tr></table>								Model	Tiers	Rated Voltage	LED Unit Color		WME	-	02	D	-										
		Model	Tiers	Rated Voltage	LED Unit Color																								
		WME	-	02	D	-																							
<table><tr><td>1</td><td>1Tier</td><td rowspan="5">02</td><td rowspan="5">24V DC</td><td rowspan="5">R</td><td>Red</td></tr><tr><td>2</td><td>2Tiers</td><td>Y</td><td>Amber</td></tr><tr><td>3</td><td>3Tiers</td><td>G</td><td>Green</td></tr><tr><td>4</td><td>4Tiers</td><td>B</td><td>Blue</td></tr><tr><td>5</td><td>5Tiers</td><td>C</td><td>White</td></tr></table>								1	1Tier	02	24V DC	R	Red	2	2Tiers	Y	Amber	3	3Tiers	G	Green	4	4Tiers	B	Blue	5	5Tiers	C	White
1	1Tier	02	24V DC	R	Red																								
2	2Tiers				Y	Amber																							
3	3Tiers				G	Green																							
4	4Tiers				B	Blue																							
5	5Tiers				C	White																							
From top to bottom																													

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[General Specifications]

Product Name		Signal Tower																										
Model		WME-□02DFB																										
Rated Voltage		24V DC																										
Operating Voltage Range		Rated Voltage ±10%																										
Signal Wire Current /Power Consumption			Per LED Unit					Buzzer																				
			Red	Amber	Green	Blue	White																					
		Signal wire current	Typ.	22mA	26mA	15mA	29mA	29mA	40mA																			
			Max.	26mA	35mA	20mA	35mA	35mA	50mA																			
Rated Power Consumption		Typ.	0.5W	0.6W	0.4W	0.7W	0.7W	1.0W																				
		Max.	0.7W	0.9W	0.5W	0.9W	0.9W	1.2W																				
Inrush Current	Power Supply Wire	-																										
	Signal Wire	LED Unit : - / Buzzer : 100mA ,Less than 3ms																										
Operating Ambient Temperature		-10℃ to +55 ℃																										
Operating Ambient Humidity		Less than 90% (No condensation)																										
Storage Ambient Temperature		-15℃ to +60 ℃																										
Storage Ambient Humidity		Less than 90% (No condensation)																										
Mounting Location		Indoor Only																										
Mounting Direction		Upright		Upward		Downward		Horizontal																				
Protection Rating		IP54 (IEC 60529)																										
Environmental Condition		Upright																										
Vibration Resistance		20m/s ² (JIS C 60068-2-6)																										
Insulation Resistance		More than 1MΩ at 500VDC between live part and non-current carrying metallic part																										
Withstand Voltage		500VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation																										
Buzzer Sound		Buzzer1 : Rapid intermittent beep 1 / 2620Hz Buzzer2 : Rapid intermittent beep 2 / 2620Hz																										
Sound Pressure Level (Typ.)		93dB																										
Environmental		Buzzer1 measured from the front direction of the buzzer opening at 1m																										
Luminous Intensity (Typ.)		Red : 2000mcd Amber : 5200mcd Green : 3100mcd Blue : 1700mcd White : 8700mcd																										
Mass (Tolerance ±10%)		1tier : 0.28kg 2tiers : 0.37kg 3tiers : 0.46kg 4tiers : 0.55kg 5tiers : 0.64kg																										
Flashing Rate		60±2 Flashes Per Minute																										
Outer Dimensions		Refer to the Outer Dimensions Drawing																										
Conformity Standards		UL 508, CSA-C22.2 No. 14			EMC Directive (EN 61000-6-4, EN 61000-6-2)																							
		RoHS Directive (EN 50581)			FCC Part15 SubpartB Class A																							
		KC (KN 61000-6-4, KN 61000-6-2)																										
Remarks		• Due to the characteristics of the LED elements, a variation in difference of the color tone and brightness of every product may occur.																										
		• Power Consumption is the sum total of each LED Unit and Buzzer. Example) WME-302DFB-RYG Rated Power Consumption(Typ.) 0.5W(LED Unit Red)+0.6W(LED Unit Amber)+0.4W(LED Unit Green)+1.0W(Buzzer) = 2.5W																										
		• Model Number Configuration																										
		<table><tr><td>Model</td><td>Tiers</td><td>Rated Voltage</td><td>Flashing /Buzzer</td><td>LED Unit Color</td></tr><tr><td>WME</td><td>-</td><td>↓</td><td>02 D</td><td>FB</td></tr></table>						Model	Tiers	Rated Voltage	Flashing /Buzzer	LED Unit Color	WME	-	↓	02 D	FB											
		Model	Tiers	Rated Voltage	Flashing /Buzzer	LED Unit Color																						
WME	-	↓	02 D	FB																								
<table><tr><td>1</td><td>1Tier</td><td rowspan="5">02 24V DC</td><td rowspan="5">FB With Flashing/Buzzer</td><td>R</td><td>Red</td><td rowspan="5">From top to bottom</td></tr><tr><td>2</td><td>2Tiers</td><td>Y</td><td>Amber</td></tr><tr><td>3</td><td>3Tiers</td><td>G</td><td>Green</td></tr><tr><td>4</td><td>4Tiers</td><td>B</td><td>Blue</td></tr><tr><td>5</td><td>5Tiers</td><td>C</td><td>White</td></tr></table>						1	1Tier	02 24V DC	FB With Flashing/Buzzer	R	Red	From top to bottom	2	2Tiers	Y	Amber	3	3Tiers	G	Green	4	4Tiers	B	Blue	5	5Tiers	C	White
1	1Tier	02 24V DC	FB With Flashing/Buzzer	R	Red	From top to bottom																						
2	2Tiers			Y	Amber																							
3	3Tiers			G	Green																							
4	4Tiers			B	Blue																							
5	5Tiers			C	White																							

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[General Specifications]

Product Name		Signal Tower																								
Model		WME-□M2D																								
Rated Voltage		100-240V AC (50/60Hz)																								
Operating Voltage Range		90-250V AC (50/60Hz)																								
Signal Wire Current /Power Consumption		Per LED Unit																								
			Red	Amber	Green	Blue	White																			
		Typ.	22mA	26mA	15mA	29mA	29mA																			
		Max.	26mA	35mA	20mA	35mA	35mA																			
		Typ.	0.8W	0.9W	0.6W	1.0W	1.0W																			
Rated Power Consumption		Max.	1.1W	1.2W	0.9W	1.3W	1.3W																			
		Main unit power consumption /Standby Power Consumption : 0.3W																								
Inrush Current	Power Supply Wire	100V : 11A, Less than 2ms / 240V : Less than 25A, Less than 2ms																								
	Signal Wire	-																								
Operating Ambient Temperature		-10℃ to +50 ℃																								
Operating Ambient Humidity		Less than 90% (No condensation)																								
Storage Ambient Temperature		-15℃ to +55 ℃																								
Storage Ambient Humidity		Less than 90% (No condensation)																								
Mounting Location		Indoor Only																								
Mounting Direction		Upright		Upward		Downward		Horizontal																		
Protection Rating		IP54 (IEC 60529)																								
Environmental Condition		Upright		Upward		Downward		Horizontal																		
Vibration Resistance		20m/s ² (JIS C 60068-2-6)																								
Insulation Resistance		More than 1MΩ at 500VDC between live part and non-current carrying metallic part																								
Withstand Voltage		1500VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation																								
Luminous Intensity (Typ.)		Red : 2000mcd Amber : 5200mcd Green : 3100mcd Blue : 1700mcd White : 8700mcd																								
Mass (Tolerance ±10%)		1tier : 0.35kg 2tiers : 0.44kg 3tiers : 0.53kg 4tiers : 0.62kg 5tiers : 0.71kg																								
Outer Dimensions		Refer to the Outer Dimensions Drawing																								
Conformity Standards		UL 508, CSA-C22.2 No. 14			EMC Directive (EN 61000-6-4, EN 61000-6-2)																					
		RoHS Directive (EN 50581)			FCC Part15 SubpartB Class A																					
		KC (KN 61000-6-4, KN 61000-6-2)			Low Voltage Directive(IEC/EN60947-5-1,EN62471)																					
Remarks		• Due to the characteristics of the LED elements, a variation in difference of the color tone and brightness of every product may occur.																								
		• Power Consumption is the sum total of each LED Unit and Main unit power consumption. Example) WME-3M2D-RYG Rated Power Consumption(Typ.) 0.8W(LED Unit Red)+0.9W(LED Unit Amber)+0.6W(LED Unit Green) +0.3W(Main unit power consumption) = 2.6W																								
		• Model Number Configuration																								
		<table><tr><td>Model</td><td>Tiers</td><td>Rated Voltage</td><td colspan="3">LED Unit Color</td></tr><tr><td>WME</td><td>-</td><td>↓</td><td>M2</td><td>D</td><td>-</td><td>↓</td></tr></table>						Model	Tiers	Rated Voltage	LED Unit Color			WME	-	↓	M2	D	-	↓						
		Model	Tiers	Rated Voltage	LED Unit Color																					
WME	-	↓	M2	D	-	↓																				
<table><tr><td>1</td><td>1Tier</td><td rowspan="5">M2 100-240V AC</td><td>R</td><td>Red</td></tr><tr><td>2</td><td>2Tiers</td><td>Y</td><td>Amber</td></tr><tr><td>3</td><td>3Tiers</td><td>G</td><td>Green</td></tr><tr><td>4</td><td>4Tiers</td><td>B</td><td>Blue</td></tr><tr><td>5</td><td>5Tiers</td><td>C</td><td>White</td></tr></table> From top to bottom						1	1Tier	M2 100-240V AC	R	Red	2	2Tiers	Y	Amber	3	3Tiers	G	Green	4	4Tiers	B	Blue	5	5Tiers	C	White
1	1Tier	M2 100-240V AC	R	Red																						
2	2Tiers		Y	Amber																						
3	3Tiers		G	Green																						
4	4Tiers		B	Blue																						
5	5Tiers		C	White																						

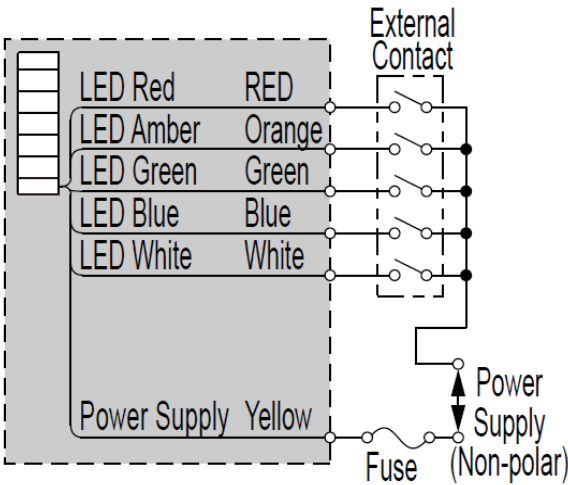
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[General Specifications]

Product Name		Signal Tower																		
Model		WME-□M2DFB																		
Rated Voltage		100-240V AC (50/60Hz)																		
Operating Voltage Range		90-250V AC (50/60Hz)																		
Signal Wire Current /Power Consumption			Per LED Unit					Buzzer												
			Red	Amber	Green	Blue	White													
		Signal wire current	Typ.	22mA	26mA	15mA	29mA	29mA	5mA											
			Max.	26mA	35mA	20mA	35mA	35mA	6mA											
		Rated Power Consumption	Typ.	0.8W	0.9W	0.6W	1.0W	1.0W	0.9W											
Max.	1.1W		1.2W	0.9W	1.3W	1.3W	1.2W													
Main unit power consumption /Standby Power Consumption : 0.3W																				
Inrush Current	Power Supply Wire	100V : 11A, Less than 2ms / 240V : Less than 25A, Less than 2ms																		
	Signal Wire	-																		
Operating Ambient Temperature		-10℃ to +50 ℃																		
Operating Ambient Humidity		Less than 90% (No condensation)																		
Storage Ambient Temperature		-15℃ to +55 ℃																		
Storage Ambient Humidity		Less than 90% (No condensation)																		
Mounting Location		Indoor Only																		
Mounting Direction		Upright 	Upward 	Downward 	Horizontal 															
Protection Rating		IP54 (IEC 60529)																		
Environmental Condition		Upright 																		
Vibration Resistance		20m/s² (JIS C 60068-2-6)																		
Insulation Resistance		More than 1MΩ at 500VDC between live part and non-current carrying metallic part																		
Withstand Voltage		1500VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation																		
Buzzer Sound		Buzzer1 : Rapid intermittent beep 1 / 2620Hz Buzzer2 : Rapid intermittent beep 2 / 2620Hz																		
Sound Pressure Level (Typ.)		93dB																		
Environmental		Buzzer1 measured from the front direction of the buzzer opening at 1m																		
Luminous Intensity (Typ.)		Red : 2000mcd Amber : 5200mcd Green : 3100mcd Blue : 1700mcd White : 8700mcd																		
Mass (Tolerance ±10%)		1tier : 0.35kg 2tiers : 0.44kg 3tiers : 0.53kg 4tiers : 0.62kg 5tiers : 0.71kg																		
Flashing Rate		60±2 Flashes Per Minute																		
Outer Dimensions		Refer to the Outer Dimensions Drawing																		
Conformity Standards		UL 508, CSA-C22.2 No. 14			EMC Directive (EN 61000-6-4, EN 61000-6-2)															
		RoHS Directive (EN 50581)			FCC Part15 SubpartB Class A															
		KC (KN 61000-6-4, KN 61000-6-2)			Low Voltage Directive(IEC/EN60947-5-1,EN62471)															
Remarks		• Due to the characteristics of the LED elements, a variation in difference of the color tone and brightness of every product may occur. • Power Consumption is the sum total of each LED Unit, Buzzer and Main unit power consumption. Example) WME-3M2DFB-RYG Rated Power Consumption(Typ.) 0.8W(LED Unit Red)+0.9W(LED Unit Amber)+0.6W(LED Unit Green) +0.9W(Buzzer)+0.3W(Main unit power consumption) = 3.5W • Model Number Configuration <table><tr><td>Model</td><td>Tiers</td><td>Rated Voltage</td><td>Flashing /Buzzer</td><td>LED Unit Color</td></tr><tr><td>WME</td><td>-</td><td>↓</td><td>M2</td><td>D</td><td>FB</td><td>-</td><td>↓</td></tr></table> 1 1Tier 2 2Tiers 3 3Tiers 4 4Tiers 5 5Tiers M2 100-240V AC FB With Flashing/Buzzer R Red Y Amber G Green B Blue C White From top to bottom						Model	Tiers	Rated Voltage	Flashing /Buzzer	LED Unit Color	WME	-	↓	M2	D	FB	-	↓
Model	Tiers	Rated Voltage	Flashing /Buzzer	LED Unit Color																
WME	-	↓	M2	D	FB	-	↓													

[Wiring]

WME-□02D



Recommended Fuse

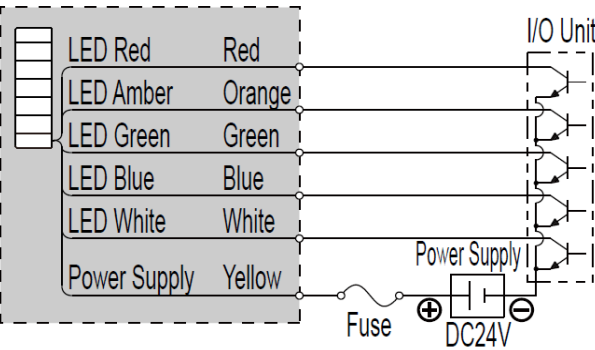
Fuse Ampere Ratings
250V / 1A (5×20mm Fast-Acting Glass Body Cartridge Fuse)

Wire Type & Wire Gauge

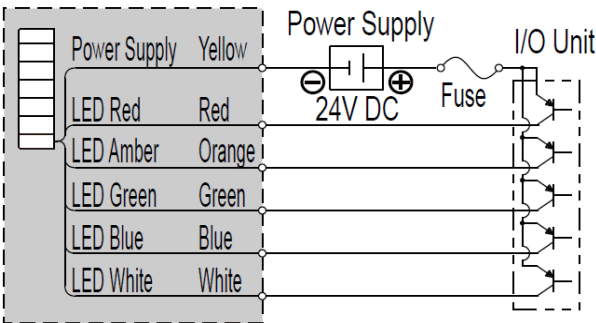
Power Supply Wire, Signal Wire and Common Wire

...UL1061 / AWG24

NPN transistor

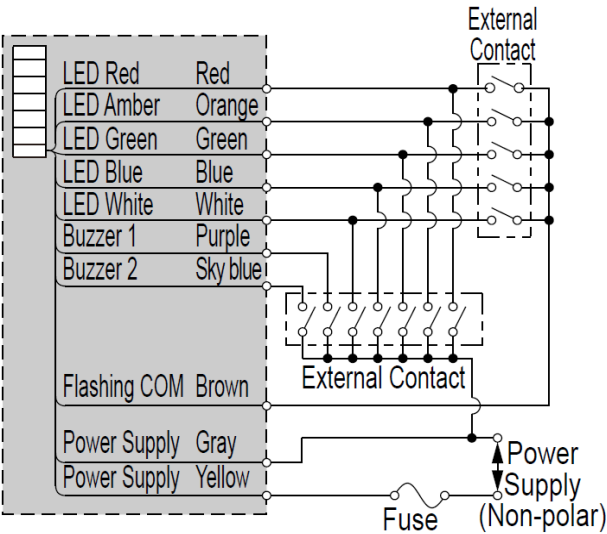


PNP transistor



[Wiring]

WME-□02DFB



Recommended Fuse

Fuse Ampere Ratings
250V / 1A (5×20mm Fast-Acting Glass Body Cartridge Fuse)

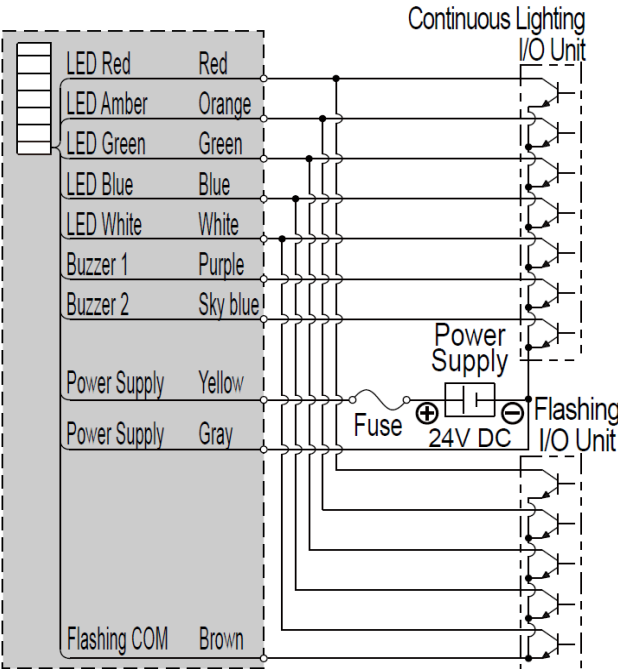
Wire Type & Wire Gauge

Power Supply Wire, Signal Wire and Common Wire

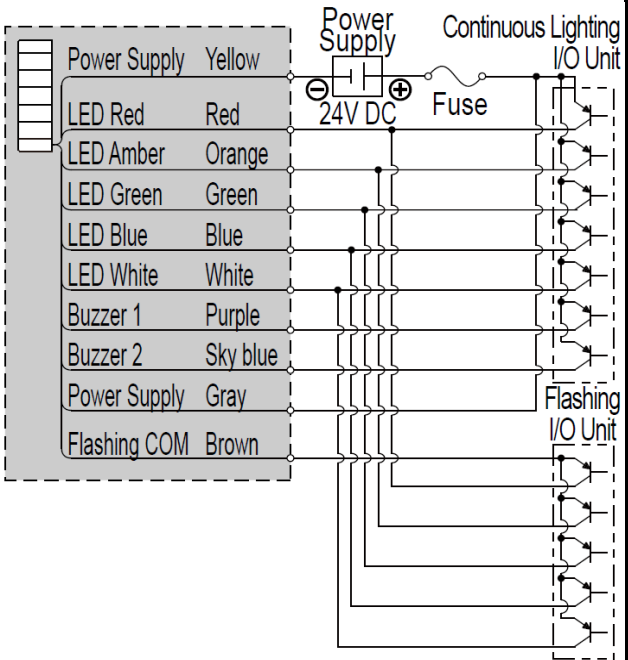
...UL1061 / AWG24

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

NPN transistor

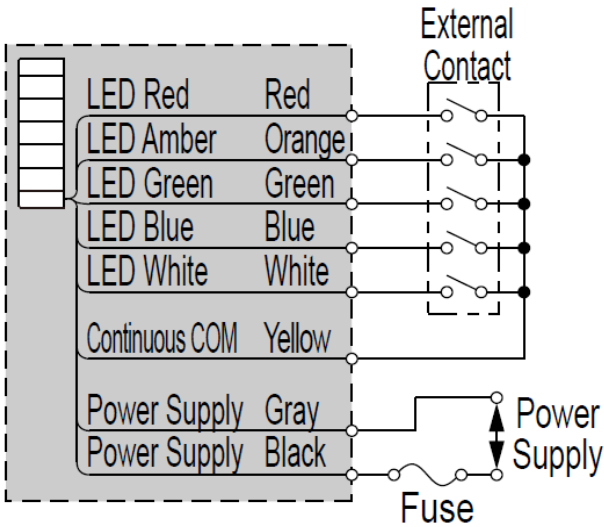


PNP transistor



[Wiring]

WME-□M2D



Recommended Fuse

Fuse Ampere Ratings
250V / 1A (5×20mm Fast-Acting Glass Body Cartridge Fuse)

Wire Type & Wire Gauge

Power Supply Wire(Gray, Black)···UL1015 / AWG18

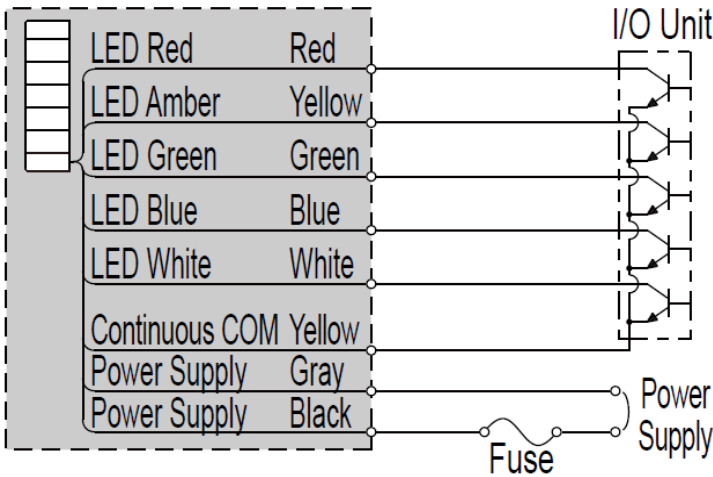
Excluding Power Supply Wire(Gray, Black)

···UL1061 / AWG24

※The signal wire voltage is 24V DC.

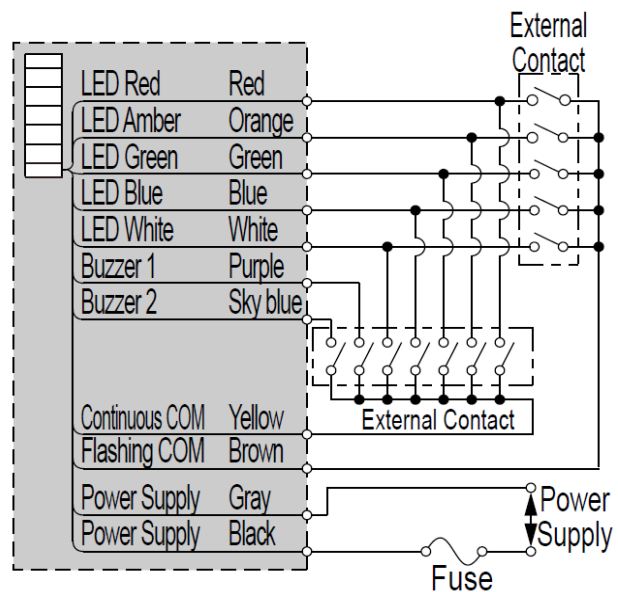


NPN transistor



[Wiring]

WME-□M2DFB



Recommended Fuse

Fuse Ampere Ratings
250V / 1A (5×20mm Fast-Acting Glass Body Cartridge Fuse)

Wire Type & Wire Gauge

Power Supply Wire(Gray, Black)···UL1015 / AWG18
Excluding Power Supply Wire(Gray, Black)
···UL1061 / AWG24

※The signal wire voltage is 24V DC.

CAUTION Only apply voltage to the Power Supply Wire.

NPN transistor

