			]	Drav	wing No.	Rev.	Р	age		
				WME	-D-W18	С	1	/ 9		
		SPEC	CIFICATIONS							
[General Spe										
Pr	oduct Na	me			al Tower					
Model Rated Voltage										
	ng Voltag	0			V DC bltage ±10%					
	al Wire Cu				Per LED Unit					
•	er Consur		Red	Amber	Green	Blue		White		
		wire current	Typ. 22mA Max. 26mA	26mA 35mA	15mA 20mA	29mA 35mA		29mA 35mA		
	Rated Power Consumption		Typ. 0.5W Max. 0.7W	0.6W 0.9W	0.4W 0.5W	0.7W 0.9W		0.7W 0.9W		
Inrush Cu	irrent	Power Supply Wire			-					
		Signal Wire			-					
Operating Ambient Temperature Operating Ambient Humidity					to +55 °C					
			Less than 90% (No condensation) -15°C to +60 °C							
Storage Ambient Temperature Storage Ambient Humidity					(No condensatio	n)				
Mounting Location					or Only	////				
Mounting Direction			Upright OUDwa		Downward	Hori	zontal	<u>C</u>		
Pro	tection Ra	ating	E	IP54 (I	EC 60529)	-				
	Environme	ental Condition	Upright Upwa	rd	Downward	Hori	zontal	<u>C</u>		
Vibra	tion Resis	stance	20m/s² (JIS C 60068-2-6)							
Insula	tion Resis	stance	More than $1M\Omega$ at 500VDC between live part and non-current carrying metallic part							
	stand Vo	•	500VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation							
	us Intensi	• • • • •	Red : 2000mcd Amber : 5200mcd Green : 3100mcd Blue : 1700mcd White : 8700mcd							
	Tolerance	,	1tier : 0.28kg 2tiers : 0.37kg 3tiers : 0.46kg 4tiers : 0.55kg 5tiers : 0.64kg							
Oute	er Dimens	sions			Dimensions Dra			61000 C 0		
Confo	rmity Star	ndards	UL 508, CSA-C22 RoHS Directive (EN KC (KN 61000-6-4, K	IEC 63000)	EMC Directive ( FCC Pa	(EN 61000 rt15 Subp				
	Remarks		2 2 3 3 4 4	ct may occur. n total of each LED Rated Power Consur	Unit. nption(Typ.) W(LED Unit Green) = LED Unit Color	= 1.5W	• tone			

# **PATLITE** Corporation

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									10		Ľ		_	, 0
[General Spe														
Pi	roduct Name							gnal Towe						
	Model						WM	E-□02D	FB					
R	ated Voltage							24V DC						
Operati	ng Voltage Rang	e					Rated	Voltage ±	±10%					
Sign	al Wire Current			Per I ED Unit										
/Powe	er Consumption			F	Red	Amber		Green	В	lue	٧	Nhite	,	Buzzer
			Тур.	22	2mA	26mA		15mA	29	)mA	2	29mA		40mA
	Signal wire cur	rent	Max.		SmA	35mA		20mA	35	δmA	3	35mA		50mA
				-	.5W	0.6W	-	0.4W		7W		0.7W		1.0W
	Rated Power Consumption				.7W	0.9W		0.5W		9W		0.9W		1.2W
	Power Su	pply Wire	Max.					-	•	•••	<u> </u>			
Inrush C	urrent Signal				IF	) Unit : - /	Buz	zer : 100n	nΔ I	ess the	an 3n	<u></u>		
Operating	Ambient Tempera					<i>y</i> on <i>t</i> ,		C to +55		000 110		15		
	g Ambient Humid					l ass th	-			sation)				
	mbient Temperat		Less than 90% (No condensation) -15°C to +60 °C											
<u> </u>	Ambient Humidit					l acc th	-	% (No co		eation)				
U U	Inting Location	.y				L633 (i		door Only		sauon				
IVIOU	Inting Location		Upright		l lr	ward		Down		-		orizor	atal	
Mou	unting Direction		Oprigrit	9	OF	walu		DOWN	Iwaru	E.	× "	011201	ilai	A
IVIOU	Inting Direction			g			VP	1		VE	1			
Dro	testion Dating			$\bigcirc$				/IEC 605	200)	U	~			-
PIO	tection Rating		المعتاجية				IP54		529)					
Environmental Condition			Upright	9			/							
				B					/			/	/	
				$\bigcirc$			1-2 (		<u> </u>	<u></u>		$\leq$		
Vibration Resistance			Maria	(h			(	JIS C 600				<u> </u>		. <b>1</b> - 11 <sup>2</sup>
Insulation Resistance						0VDC bet							-	
	nstand Voltage					etween live pa								-
	uzzer Sound		Buzzer	1 : Rapid	intermi	ttent beep ?	/ 262		er2 : F	Rapid in	ıtermi	ittent	beep	o 2 / 2620H
Sound Pr	ressure Level (Ty							93dB						
	Environment	al	Buzzer1 measured from the front direction of the buzzer opening at 1m											
Lumino	us 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											
FI	lashing Rate		60±2 Flashes Per Minute											
Out	er Dimensions		Refer to the Outer Dimensions Drawing											
			UL 508, CSA-C22.2 No. 14 EMC Directive (EN 61000-6-4, EN 61000-6-2)											
Confo	ormity Standards		R	oHS Dir	ective (	EN IEC 63	000)		FCC	Part1	5 Suł	opart	B Cl	ass A
			RoHS Directive (EN IEC 63000)         FCC Part15 SubpartB Class A           KC (KN 61000-6-4, KN 61000-6-2)											
			• Due to	the charac	teristics of	of the LED el	ements,	a variation	in diffe	rence of	the co	olor to	ne	
				•		oduct may or								
						sum total of				r.				
					RYG Rated F						,	0.51	.,	
					V(LED Unit A	mber)+	0.4W(LED U	Jnit Gre	en)+1.0	W(Buz	zzer) =	= 2.5V	V	
			- wodel	Number C	omgurat									
		M	odel	Tiers	Rated Voltage		Flashing /Buzzer		LED U	nit Col	or			
	Remarks		W	ME -	Ŷ	02	D	FB	_		Ŷ	$\neg$		
									1462 5		L	┯╧		-
					1		24V E	DC FB	vvith Fl	ashing/Buz	zzer	R Y	Red Ambe	r
					3 4	3Tiers						G B	Green Blue	
				kina	4							C		to bottom
			<ul> <li>CE Mar</li> </ul>	кшу										
			<u> </u>											

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												_		
[General Sp														
Pi	roduct Na Model	me	Signal Tower											
								- 🗆 M2D						
	ated Volta	0						100-240		1 /				
	ing Voltag							90-250		( /				
Sign	al Wire Cu	urrent		Per LED Unit										
/Pow	er Consur	nption	$\checkmark$			Red		mber		Green	В	lue		White
	Signal	wire current	Ту	γp.	2	2mA	2	6mA		15mA	29	MM		29mA
	Signal		Ma	ax.	2	?6mA	3	5mA		20mA	35	imΑ		35mA
			Ту	'np.	(	).8W	(	).9W		0.6W	1.	0W		1.0W
	Rated Pow	er Consumption	Ma	ax.	1	1.1W	,	1.2W		0.9W	1.	3W		1.3W
				Main unit power consumption /Standby Power Consumption : 0.3W										
Inrush C	urront	Power Supply Wire		100	)V :	11A, Le	ss than	2ms /	24	0V: Less tha	n 25A,	Less th	nan 2	2ms
iniusii C	unent	Signal Wire								-				
Operating /	Ambient T	emperature						-10'	°C t	o +50 °C				
Operatin	g Ambient	t Humidity					Less	than 90	)% (	(No condensat	tion)			
Storage A	mbient Te	emperature						-15	°C t	o +55 °C				
Storage	Ambient	Humidity		-		-	Less	than 90	)% (	(No condensat	tion)			
Μοι	unting Loc	ation						Ir	ndod	or Only				
			Uprig	ht [	•	Up۱	ward	$\bigcirc$		Downward ๙	Ĩ.	Horizo	ntal	
Мои	Mounting Direction				9			VC	à	$\mathbb{V}$				
C C				f	9						VI			
Protection Rating								IP54	· (IE	EC 60529)				
			Uprig	ht [	•	Up۱	ward	$\bigcirc$		Downward ๙	. A	Horizo	ntal	
	Environmental Condition				3			Y C	1	$\mathcal{V}$				
				f	J									
Vibration Resistance							2	20m/s² (	JIS	C 60068-2-6)				
Insulation Resistance			Мо	re than	1 M	Ω at 500	0VDC b	etween	live	part and non-	current	carryir	ng m	etallic part
With	hstand Vo	ltage	1500\	/AC appli	ied fo	or 1min be	tween live	part and	non-	current carrying n	netallic p	art withou	ut brea	aking insulation
Lumino	ous Intensi	ty (Typ.)	Red	: 2000n	ncd	Amber	: 5200m	cd Gre	en :	3100mcd Blu	ue : 170	0mcd	White	e : 8700mcd
Mass (	Tolerance	e ±10%)		1tier :	0.3	5kg 2tie	ers : 0.4	4kg 3tie	ers :	0.53kg 4tiers	s : 0.62	kg 5tie	ers : C	).71kg
Out	ter Dimens	sions	Refer to the Outer Dimensions Drawing											
			UL 508, CSA-C22.2 No. 14 EMC Directive (EN 61000-6-4, EN 61000-6-2)											
Confo	ormity Star	ndards		RoHS	Dire	ective (E	N IEC 6	63000)		FCC F	Part15 S	Subpar	tB CI	ass A
	-		RoHS Directive (EN IEC 63000) FCC Part15 SubpartB Class A KC (KN 61000-6-4, KN 61000-6-2) Low Voltage Directive(IEC/EN60947-5-1,EN62471)											
			•Due to the characteristics of the LED elements,											
									-	tness of every pro		-		
			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)											
						power con	•	,	0.01	V(LED Unit Green	1)			
						onfiguratio		) - 2.000						
					ЛГ	garaas	Rate	d			٦			
			Model		Tiers	Volta			LED Unit Color					
	Remarks			WME	-	$\hat{\Omega}$	M	2 D	-	Ŷ				
									4014					
						1	1Tier 2Tiers	M2 100-2	40V A	Y Amb				
						3 4	3Tiers 4Tiers			G Gree B Blu	en	nn		
						5	5Tiers							
			C   White to bottom     CE Marking											
				lanang										
				lanang										
				landing										
				indiriting in the second se										

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[General Spe														
Pr	roduct Na	me	Signal Tower											
	Model		WME-□M2DFB 100-240V AC (50/60Hz)											
	ated Volta										1			
	ng Voltag			-						/60Hz	<u>z)</u>			
-	al Wire Cu				uninuununu <b>n</b> .				LED Unit					Buzzer
/Powe	er Consur	nption		Re		Amb			Green		lue	Whi		
	Signal	wire current	Тур.	22m		26m			15mA		)mA	29m	ā	5mA
	0.9.10.1		Max.	26m		35m			20mA		imA	35m		6mA
			Тур.	0.8		0.9			0.6W		0W	1.0\	ຫຼື	0.9W
	Rated Pow	er Consumption	Max.	1.1		1.2\			0.9W		<u>3W</u>	1.3		1.2W
									/Standby					
Inrush C	urrent	Power Supply Wire		100V : 1	TA, Le	ess than	2ms	1	240V : L	.ess t	nan 25A	, Less	than 2	2ms
		Signal Wire							-	0.1				
		emperature				-			C to +50					
		t Humidity	Less than 90% (No condensation)											
0		emperature							C to +55					
	Ambient					Less	s thar		% (No co		sation)			
Mou	inting Loc	ation						Inc	door Only	/				
			Upright	$\overline{\ }$	Up	ward	C	$\overline{\mathcal{A}}$	Down	ward	E. J	Horiz	ontal	
Mou	inting Dire	ection		$\square$			Y1	Ò	<b>\</b>					
				$\bigcirc$			1	F			L.	/		
Pro	tection Ra	ating					IF	Þ54	(IEC 605	529)				
			Upright	•				/				1		
	Environmental Condition			E						/				
				$\square$										
Vibra	tion Resis	stance					20m/:	s² (J	IS C 600	68-2-0	6)			
Insula	More t	han 1MΩ	2 at 50							nt carry	ing m	etallic part		
Withstand Voltage														aking insulation
	uzzer Sou	•									-			p 2 / 2620Hz
		evel (Typ.)	DULLOI				P . /	_0_0	93dB	012.11				p 2 / 2020112
Counter 1		onmental	Buzzer1 measured from the front direction of the buzzer opening at 1m											
Lumino	us Intensi		Red : 2000mcd Amber : 5200mcd Green : 3100mcd Blue : 1700mcd White : 8700mcd											
	Tolerance		1tier : 0.35kg 2tiers : 0.44kg 3tiers : 0.53kg 4tiers : 0.62kg 5tiers : 0.71kg											
	lashing Ra er Dimens		60±2 Flashes Per Minute											
Out		50115	Refer to the Outer Dimensions Drawing UL 508, CSA-C22.2 No. 14 EMC Directive (EN 61000-6-4, EN 61000-6-2)											
Confe		a al a nal a						<u>^</u>						
Conio	ormity Star	luarus	R0	HS Direc			0300	U)			Part15			
				KN 6100	,			/	LOW	rollage	Directive	(IEC/EN	60947-	5-1,EN62471)
				e characte					ightness of	ovorv	product m			
									D Unit, Buz					notion
				•					Consumption					
			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											
			<ul> <li>Model N</li> </ul>	umber Con	ifiguratio	on								
	Remarks		Мос		Tiers	Rat			Flashing		LED Un	it Color		
						Volt	-		/Buzzer					
			WN	1⊏  -	Ŷ	М	2	D	FB	-	ر ۲	,		
					1 2	1Tier 2Tiers			FB	With FI	ashing/Buzz	zer F Y		
					3	3Tiers	M2 -	100-24	OV AC			0	Gree	n
					4 5	4Tiers 5Tiers						E		From top to bottom
			<ul> <li>CE Mark</li> </ul>	ing										
										-				

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#### [Wiring]

## WME-D02D



#### **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

	LED Red	Red	I/O Unit
	LED Amber	Orange	
	LED Green	Green	
1	LED Blue	Blue	
1	LED White	White	
	Power Supply	Yellow	Power Supply 1
i			Fuse DC24V

	Power Supply	Yellow		I/O Unit
E	LED Red	Red	⊖ 24V DC Fuse	
	LED Amber	Orange		i£+i
	LED Green	Green	[ 	
	LED Blue	Blue	[	¦£>⊢¦
	LED White	White	[	Ľ>+i
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····UL1061 / AWG24

Fuse Ampere Ratings

Only apply voltage to the Power Supply Wire.





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