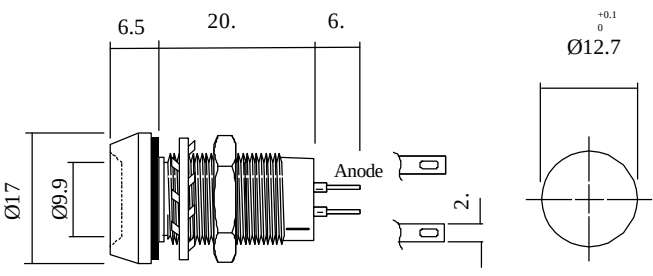


Making Light Work For You!

Industrial Panel Indicator		Ø 12.7mm Mounting																
 Dimensions in mm (typical) Not to Scale Anode Indicated by Red Sleeve	- Nickel Plated Brass Body Finish - Five High Intensity Colours - Flying Lead Terminations available - Voltage range up to 230Vac - Panel Sealing in excess of IP66 - Robust termination tags accept push-on connectors																	
512 SERIES																		
Mean Time Between Failure 100,000 Hours		Operating Temperature Range: -20 to +60°C Storage Temperature Range: -30 to +85°C																
Order Code : 512 – 501 – 21																		
Series Options : 511 – Coloured Diffused Lens 512 – Smoked Lens	LED Options : Code – LED Colour / Intensity @ 20 mA <table style="width: 100%; border-collapse: collapse;"> <tr><td>501 – Red 660nm</td><td style="text-align: right;">2750 mcd</td></tr> <tr><td>521 – Yellow 590nm</td><td style="text-align: right;">4800 mcd</td></tr> <tr><td>532 – Green 525nm</td><td style="text-align: right;">6000 mcd</td></tr> <tr><td>930 – Blue 470nm</td><td style="text-align: right;">2000 mcd</td></tr> <tr><td>997 – White *</td><td style="text-align: right;">4000 mcd</td></tr> </table> Intensity figures are typical and apply to discrete LED (non flat-topped) Package power dissipation (max)	501 – Red 660nm	2750 mcd	521 – Yellow 590nm	4800 mcd	532 – Green 525nm	6000 mcd	930 – Blue 470nm	2000 mcd	997 – White *	4000 mcd	Voltage Options : Code – Voltage / Current <table style="width: 100%; border-collapse: collapse;"> <tr><td>21 – 12Vdc @ 20mA</td></tr> <tr><td>22 – 24Vdc @ 20mA</td></tr> <tr><td>23 – 28Vdc @ 20mA</td></tr> <tr><td>24 – 48Vdc @ 20mA</td></tr> <tr><td>75 – 110Vac @ 9mA *</td></tr> <tr><td>76 – 230Vac @ 4mA *</td></tr> </table> * Insulated Connectors must be used at these voltages.	21 – 12Vdc @ 20mA	22 – 24Vdc @ 20mA	23 – 28Vdc @ 20mA	24 – 48Vdc @ 20mA	75 – 110Vac @ 9mA *	76 – 230Vac @ 4mA *
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76 – 230Vac @ 4mA *																		
Materials : Body and Nut: Bright Nickel Plated Brass Lens: Polycarbonate Termination: Silver Plated Brass 2.8mm Flat Tags Panel Seal: Fluoroelastomer Lockwasher: Zinc Plated Steel	Technical Information : Panel Cutout: 12.7mm Min. Mounting Centres: x,y = 19.5mm Min/Max Panel Thickness: 1.5-8.0mm Mounting Torque: 1.0Nm Max. Reverse Voltage: 1000Vdc IP Rating: 66																	
* Typical emission colour: x=0.31, y=0.32 Colour temperature 8000K Intensities (Iv) and colour shades of white (x, y co-ordinates) may vary between LEDs within a batch																		
Marl International Limited Ulverston, Cumbria. LA12 7RY England Tel : + 44 (0) 1229 582430 Fax : + 44 (0) 1229 585155 E-mail : sales@marl.co.uk Website : www.marl.co.uk																		

The company's services are recognised to the Internationally recognised quality standard BS EN ISO9001 : 1994

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