

M18 PHOTOELECTRIC SENSORS

**HTM**<sup>TM</sup>  
**SENSORS**



- M18 PHOTOELECTRIC SENSORS FOR EASY MOUNTING
- DURABLE METAL HOUSING FOR ALL APPLICATIONS
- QUICK-CONNECT FOR EASY INSTALLATION
- AVAILABLE IN PNP, NPN AND AC MODELS
- AVAILABLE IN DIFFUSE, RETROREFLECTIVE AND THRU-BEAM
- NEW: AVAILABLE LASER MODELS

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# M18 PHOTOELECTRIC SENSORS

**DIFFUSE**



**POLARIZED REFLECTIVE**



**THRU-BEAM**



**BACKGROUND SUPPRESSION**



**LASER DIFFUSE**



Sensing Distance	500 mm	1 m	15 m	100 mm	350 mm
Light Emission	Infrared LED (880 nm)	RED LED (660 nm)	Infrared LED (880 n)	RED LED (680 nm)	Red Laser: Class 1 - EN 60825-1
Power Supply	10-30 V DC / 20-250 V AC Models			10-30 V DC	
Current Consumption	30 mA Max. / 5 mA Max AC Models				35 mA Max.
Max. Current Load	200 mA / 300 mA AC Models			100 mA Max.	
Voltage Drop	2.5 V Max. / 10 V AC Models			2 V Max.	
Response Time	1.5 ms			1 ms	333 microseconds
Housing Material	Nickel-Plated Brass / Stainless Steel Available - PMMA or PBT Lens				
Mechanical Protection	IP67				

<b>Quick Connect (Dimensions)</b>	M18 x 75 mm	M18 x 75 mm	M18 x 75 mm	M18 x 71.5 mm	M18 x 71.5 mm
DC Emitter			M18B-T015MD-EX9Q4LE		
PNP - Light On/Dark On	M18B-D0500P-CX9Q4UE	M18B-L1000P-CX9Q4UE-PF	M18B-T015MP-CX9Q4UE	M18B-D0100P-CX6Q4UE-BS	M18B-D0350P-CX8Q4UE-LSR
NPN - Light On/Dark On	M18B-D0500N-CX9Q4UE	M18B-L1000N-CX9Q4UE-PF	M18B-T015MN-CX9Q4UE	M18B-D0100N-CX6Q4UE-BS	M18B-D0350N-CX8Q4UE-LSR
AC Emitter			M18B-T015MA-EX9Q4LM		
AC - Light On	M18B-D0500A-LX9Q4UM	M18B-L1000A-LX9Q4UM-PF	M18B-T015MP-CX9Q4UE		
AC - Dark On	M18B-D0500P-DX9Q4UM	M18B-L1000A-DX9Q4UM-PF	M18B-T015MP-CX9Q4UE		

<b>PreWired Cable (Dimensions)</b>	M18 x 64 mm	M18 x 64 mm	M18 x 64 mm	M18 x 57 mm	M18 x 57 mm
DC Emitter			M18B-T015MD-EX9C4U2		
PNP - Light On/Dark On	M18B-D0500P-CX9C4U2	M18B-L1000P-CX9C4U2-PF	M18B-T015MP-CX9C4U2	M18B-D0100P-CX9C4U2-BS	M18B-D0350P-CX8C4U2-LSR
NPN - Light On/Dark On	M18B-D0500N-CX9C4U2	M18B-L1000N-CX9C4U2-PF	M18B-T015MN-CX9C4U2	M18B-D0100N-CX9C4U2-BS	M18B-D0350N-CX8C4U2-LSR
AC Emitter			M18B-T015MA-EX9C3U2		
AC - Light On	M18B-D0500A-LX9C3U2	M18B-L1000A-LX9C3U2-PF	M18B-T015MP-CX9C3U2		
AC - Dark On	M18B-D0500P-DX9C3U2	M18B-L1000A-DX9C3U2-PF	M18B-T015MP-CX9C3U2		

M18 PHOTOELECTRICS ARE A VERSATILE AND ECONOMICAL STYLE FOR MANY SENSING APPLICATIONS. THE METAL HOUSING IS DURABLE, AND THE STANDARD M18 SIZE IS EASY TO MOUNT FOR A QUICK INSTALLATION AND RELIABLE OPERATION.



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