



M30 (30mm) plastic - DC

Pushbutton models

- NO/NC selectable
- Pushbutton teach
- LED status indicators
- IP65/IP67 rated
- M12 quick-disconnect; purchase cable separately
- Mounting accessories available

Potentiometer models

- NO or NC units available
- Potentiometer sensitivity adjustment
- LED status indicators
- IP65/IP67/IP69K rated
- 2m (6.56 ft) cable or M12 quick-disconnect; purchase cable separately
- Mounting accessories available

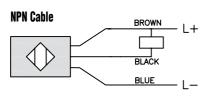


CT Series Capacitive Prox Selection Chart											
Part Number	Price	Sensing Distance	Mounting	Output State	Logic	Connection	Wiring	Dimensions			
Pushbutton sel	Pushbutton select and teach										
CT1-00-2H	\$73.00	40 mm (1.58 in)	Non-flush	NO/NC	NPN/PNP	M12 (12mm) quick disconnect	Diagram 2	Figure 1			
Potentiometer sensitivity adjustment											
CT2-AP-1A	\$55.50	15mm (0.59 in)	Flush	NO	PNP	2m (6.56 ft) cable	Diagram 1	Figure 2			
CT2-AP-1H	\$55.50	15mm (0.59 in)	Flush	NO	PNP	M12 micro DC connector	Diagram 2	Figure 3			
CT2-CP-1A	\$55.50	15mm (0.59 in)	Flush	NC	PNP	2m (6.56 ft) cable	Diagram 1	Figure 2			
CT2-CP-1H	\$55.50	15mm (0.59 in)	Flush	NC	PNP	M12 micro DC connector	Diagram 2	Figure 3			
CT2-AN-2A	\$55.50	25mm (0.98 in)	Non-flush	NO	NPN	2m (6.56 ft) cable	Diagram 1	Figure 2			
CT2-AN-2H	\$55.50	25mm (0.98 in)	Non-flush	NO	NPN	M12 micro DC connector	Diagram 2	Figure 3			
CT2-AP-2A	\$55.50	25mm (0.98 in)	Non-flush	NO	PNP	2m (6.56 ft) cable	Diagram 1	Figure 2			
CT2-AP-2H	\$55.50	25mm (0.98 in)	Non-flush	NO	PNP	M12 micro DC connector	Diagram 2	Figure 3			
CT2-CN-2A	\$55.50	25mm (0.98 in)	Non-flush	NC	NPN	2m (6.56 ft) cable	Diagram 1	Figure 2			
CT2-CN-2H	\$55.50	25mm (0.98 in)	Non-flush	NC	NPN	M12 micro DC connector	Diagram 2	Figure 3			
CT2-CP-2A	\$55.50	25mm (0.98 in)	Non-flush	NC	PNP	2m (6.56 ft) cable	Diagram 1	Figure 2			
CT2-CP-2H	\$55.50	25mm (0.98 in)	Non-flush	NC	PNP	M12 micro DC connector	Diagram 2	Figure 3			

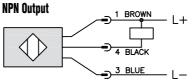
CT Series Specifications	CT1-00-2H	CT2-)	CX-XX		
Mounting Type	Non-flush	Flush	Non-flush		
Nominal Sensing Distance	40mm (1.58 in)	15mm (0.59 in)	25mm (0.98 in)		
Sensitivity	Push to teach	Potentio	ometer		
Operating Distance		NA			
Material Correction Factors	NA				
Output Type		NPN/PNP; NO/NC			
Operating Voltage	10 to 36VDC	10 to 3	OVDC		
No-load Supply Current	< 20mA	< 22	mA		
Operating (Load) Current		200mA			
Off-state (Leakage) Current		NA			
Voltage Drop		< 2.5 VDC			
Switching Frequency	10Hz	401	-lz		
Differential Travel (% of Nominal Distance)					
Repeat Accuracy		NA			
Ripple	IV A				
Time Delay Before Availability (tv)					
Reverse Polarity Protection	Yes				
Short-circuit Protection	Yes, pulsed				
Operating Temperature	-25° to 80°C (-13° to 176°F) Sensing face: -25° to 110°C (-13° to 230°F)				
Protection Degree (DIN 40050)	IEC IP65/IP67	IEC IP65/IF	267/IP69K		
Indication/Switch Status	Yellow (output energized)				
Housing Material	Polybutylene terephthalate (PBT)				
Sensing Face Material	Polybutylene terephthalate (PBT)				
Shock/Vibration	DIN EN 60947-5-2				
Tightening Torque	8.0 N•m (5.9 lb•ft)				
Weight	117g (4.13 oz)	96.7 g (3	3.41 oz)		
Connectors	M12 con	nector, 2 lock nuts included			
Agency Approvals	cU	Lus file E328811, CE			

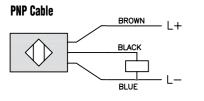
Wiring diagrams

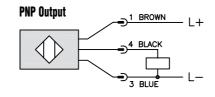
Diagram 1











Connector



M12 connector

Dimensions

mm [inches]

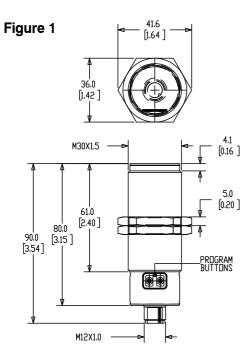
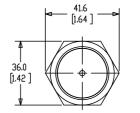
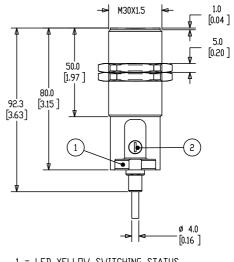


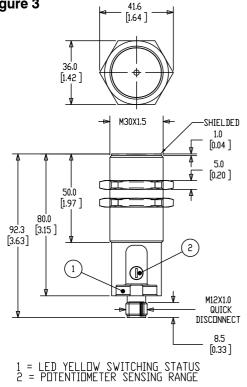
Figure 2





1 = LED YELLOW SWITCHING STATUS 2 = POTENTIOMETER SENSING RANGE

Figure 3



Proximity Sensors

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Capacitive Proximity Sensors - Accessories



Mounting Adapter

Capacitive Proximity Sensors Accessory Chart							
Part Number	Part Number Price Description		Material	Dimensions			
Mounting Adapter							
CR1-ADPTR \$4.00		Adapter for CR1 series capacitive sensors Housing: Polybutylene Terephthalate (PBT) Included Screws: M3 x 6 Steel (0.5 N•m [0.37 lb•ft])		Figure 1			
Mounting Wells							
MWT-01	\$45.50	30mm (1.18 in) sensor mounting well	PTFE - Polytetrafluoroethylene (Teflon®) Temp: -25° to 246°C (-13° to 474.8°F)	Figure 2			
MWK-01	\$37.00	18mm (0.71 in) sensor mounting well	Max. pressure: 100 PSI (6.9 bar)	Figure 3			

Dimensions

Figure 1 **CR1** Adapter

mm [inches]

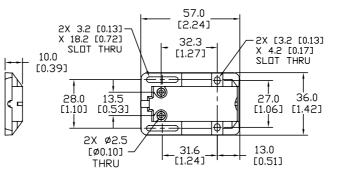


Figure 2

30mm Sensor Mounting Well

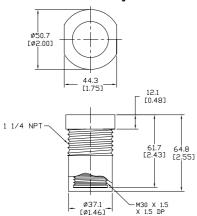
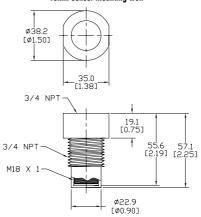


Figure 3

18mm Sensor Mounting Well



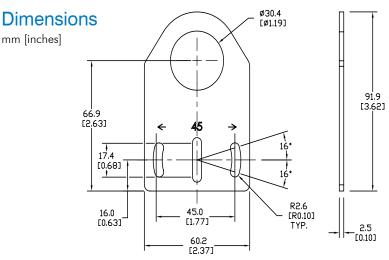
Accessories for 30mm Sensors

Axial Mounting Bracket

Mounting bracket, axial, zinc-plated steel. For use with 30mm sensors. Has two mounting holes (use 5mm screws) and allows the rotation of an optical axis for rightbeam-angle-adapter sensors. Hexagonal nuts not included.

Accessories for 30mm Sensors						
Part Number	Price	Description	Weight Ib (g)			
ST30A	\$2.25	Mounting bracket, axial, zinc-plated steel. For use with 30mm sensors. 1/pk.	0.18 (81.7 g)			

mm [inches]





ST30A

Right-angle Mounting Bracket

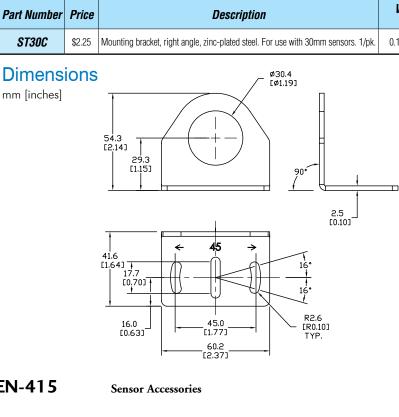
Mounting bracket, right-angle, zinc-plated steel. For use with 30mm sensors. Has two mounting holes (use 5mm screws) and allows the rotation of an optical axis for axial sensors. Hexagonal nuts not included.





ST30C

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Accessories for 30mm Sensors

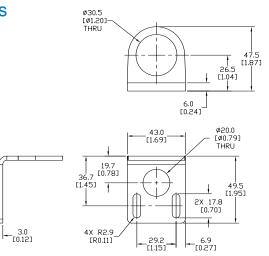
Right-angle Mounting Bracket

Mounting bracket, right-angle, 304 stainless steel. For use with 30mm sensors.

Accessories for FW Series Sensors						
Part Number	Price	Description	Weight Ib (g)			
ST30C6W	\$3.50	Mounting bracket, right angle, 304 stainless steel. For use with 30mm sensors.	0.15 (68.0)			

Dimensions

mm [inches]





ST30C6W

Right-angle Swivel Mounting Systems

Sensor Accessories

Mounting bracket, right-angle swivel, 360 degree vertical and horizontal adjustment, 12mm rod mount. For use with 30mm sensors. Available in all 304 stainless steel or with an aluminum head with a 304 stainless steel mounting plate.

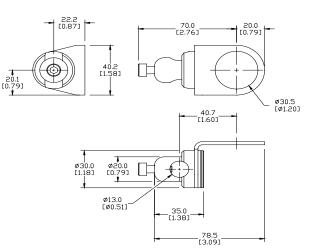
Accessories for 30mm Sensors							
Part Number	Price	Description	Mounting Head	Mounting Plate	Weight Ib (g)		
OPT2118	\$9.50	Mounting bracket, right-angle swivel, 360 vertical and horizontal adjustment, aluminum, 12mm rod mount. For use with 30mm sensors.	Aluminum	304 Stainless steel	0.18		
OPT2119	\$17.00	Mounting bracket, right-angle swivel, 360 vertical and horizontal adjustment, 304 stainless steel, 12mm rod mount. For use with 30mm sensors.	304 Stainless Steel	304 Stainless steel	0.30		



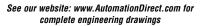
Note: 304 Stainless steel mounting rods sold separately: OPT2109 (200mm [7.87 in] length), OPT2110 (300mm [11.81 in] length), and OPT2111 (500mm [19.69 in] length).

Dimensions

mm [inches]



OPT2118, OPT2119



Mounting Rods

Mounting Rods

304 Stainless steel rods for mounting swivel brackets OPT2112 - OPT2127. Available in three lengths: 200mm, 300mm, and 500mm. 12mm diameter.

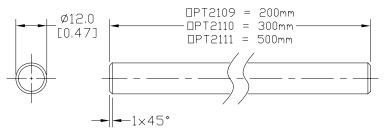
Mounting Rods for OPT2112-2127 Swivel Mounting Brackets						
Part Number	Price	Description	Weight Ib (g)			
OPT2109	\$10.50	Mounting rod, 12mm diameter, 200mm length, 304 stainless steel.	0.41 (185.97)			
OPT2110	\$13.00	Mounting rod, 12mm diameter, 300mm length, 304 stainless steel.	0.60 (272.16)			
OPT2111	\$17.00	Mounting rod, 12mm diameter, 500mm length, 304 stainless steel.	0.98 (444.52)			



OPT2109, OPT2110, OPT2111

Dimensions

mm [inches]



Right-angle Mounting Bracket

Mounting bracket, right-angle, nickel-plated brass. For use with 12mm mounting rods OPT2109, OPT2110 & OPT2111.

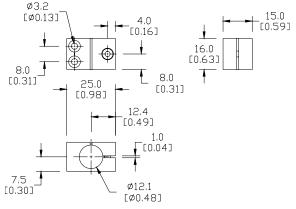
Accessories for 12mm Sensors					
Part Number Price Description		Weight Ib (g)			
OPT2108	\$13.00	Mounting bracket, right-angle, nickel-plated brass. For use with 12mm mounting rods OPT2109, OPT2110 & OPT2111.	0.07 (31.8)		



OPT2108

Dimensions

mm [inches]



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