1-800-633-0405 For the latest prices, please check An CT Series Capacitive Proximity Sensors



M30 (30mm) metal

- Potentiometer sensitivity adjustment
- N.O. or N.C. units
- IP65 rated
- LED status indicators
- 2m (6.5 ft) axial cable
- Mounting accessories available



CT Series Capacitive Proximity Selection Chart									
Part Number	Price	Sensing Distance	Mounting	Output State	Logic	Connection	Wiring	Dimensions	
Metal Housing									
<u>CT1-AN-1A</u>	\$87.00	15mm [0.59 in]	Flush	N.O.	NPN	2m [6.5 ft] axial cable	Diagram 1	Figure 1	
<u>CT1-AP-1A</u>	\$87.00	15mm [0.59 in]	Flush	N.O.	PNP	2m [6.5 ft] axial cable	Diagram 2	Figure 1	
<u>CT1-AN-2A</u>	\$87.00	20mm [0.79 in]	Non-flush	N.O.	NPN	2m [6.5 ft] axial cable	Diagram 1	Figure 1	
<u>CT1-AP-2A</u>	\$87.00	20mm [0.79 in]	Non-flush	N.O.	PNP	2m [6.5 ft] axial cable	Diagram 2	Figure 1	
<u>CT1-CN-2A</u>	\$87.00	20mm [0.79 in]	Non-flush	N.C.	NPN	2m [6.5 ft] axial cable	Diagram 1	Figure 1	
<u>CT1-CP-2A</u>	\$87.00	20mm [0.79 in]	Non-flush	N.C.	PNP	2m [6.5 ft] axial cable	Diagram 2	Figure 1	

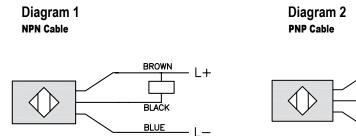
CT Seri	CT Series Capacitive Proximity Specifications					
Part Number	CT1-xx-1X	СТ1-хх-2Х				
Mounting Type	Flush	Non-flush				
Nominal Sensing Distance	15mm [0.59 in]	20mm [0.79 in]				
Sensitivity	20-turn pote	ntiometer				
Operating Distance	NA					
Material Correction Factors	NA					
Output Type	NPN/PNP; N	1.O./N.C.				
Operating Voltage	10 to 30	VDC				
No-load Supply Current	8m/	A				
Operating (Load) Current	m200	mA				
Off-state (Leakage) Current	m10µ	AL				
Voltage Drop	1.8 volts maximum					
Switching Frequency	100Hz					
Differential Travel (% of Nominal Distance)	2 to 20%					
Repeat Accuracy	Accuracy 10%					
Ripple	m10%					
Time Delay Before Availability (tv)	100ms					
Reverse Polarity Protection	se Polarity Protection Yes					
Short-circuit Protection	Yes (switch auto-resets aft	er overload is removed)				
Operating Temperature	-25 to +70°C [-13 to 158°F]					
Protection Degree (DIN 40050)	IEC IP65					
Indication/Switch Status	Green (supply, Red [N	O output energized])				
Housing Material	Nickel-plate	ed brass				
Sensing Face Material	Polybutylene Tere	phthalate [PBT]				
Shock/Vibration	DIN EN 60	947-5-2				
Tightening Torque	50N•m [36.9 lb•ft]					
Weight	280g [19.88oz]					
Connectors	2m [6.5 ft] axial cable, 2 lock nuts included					
Agency Approvals	CE					

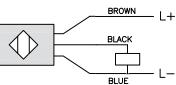
To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

For the latest prices, please check AutomationDirect.com.

1-800-633-0405 CT Series Capacitive Proximity Sensors

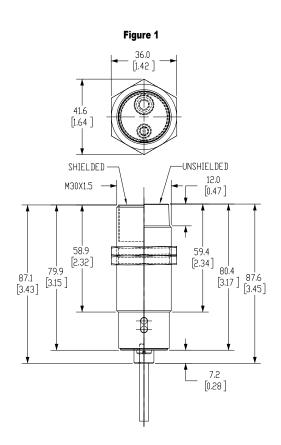
Wiring diagrams





Dimensions

mm [inches]



See our website: www.AutomationDirect.com for complete engineering drawings

For the latest prices, please check AutomationDirect.com.

1-800-633-0405 **Capacitive Proximity Sensors - Accessories**



Mounting Well

Mounting Adapter

Capacitive Proximity Sensors Accessory Chart							
Part Number Price		Description	Material	Dimensions			
Mounting Adapter	Mounting Adapter						
<u>CR1-ADPTR</u>	\$4.50 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	Mounting Wells						
<u>MWT-01</u>	\$52.00	30mm [1.18 in] sensor mounting well	PTFE - Polytetrafluoroethylene (Teflon®)	Figure 2			
<u>MWK-01</u>	\$42.50	18mm [0.71 in] sensor mounting well	Temp: -25 to 246°C [-13 to 474.8°F] Max. pressure: 100 PSI [6.9 bar]	Figure 3			

Dimensions

mm [inches]

Figure 1

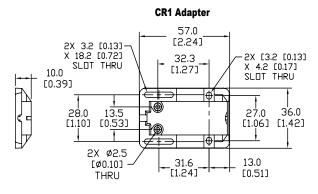


Figure 2



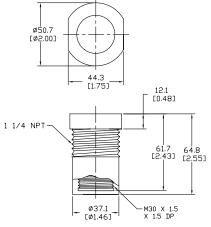
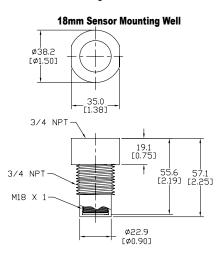


Figure 3



See our website: www.AutomationDirect.com for complete engineering drawings

Accessories for 30mm Sensors

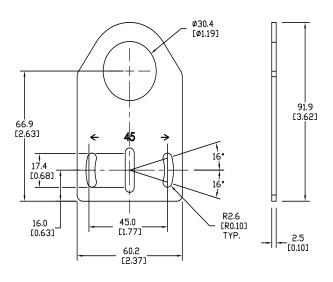
Axial Mounting Bracket

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 right-beam-angle-adapter sensors. Hexagonal nuts not included.

	Accessories for 30mm Sensors					
Part Number	Price	Description	Weight Ib [g]			
<u>ST30A</u>	\$2.25	Micro Detectors mounting bracket, axial, zinc plated steel. For use with 30mm sensors.	0.18 [81.7]			

Dimensions

mm [inches]

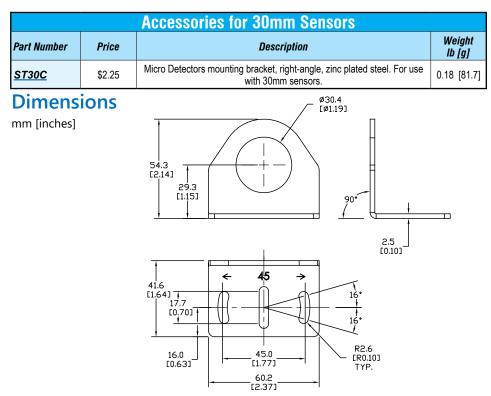




<u>ST30A</u>

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

1-800-633-0405 Accessories for 30mm Sensors

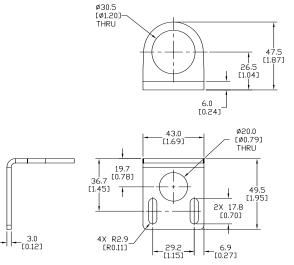
Right-angle Mounting Bracket

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

	Accessories for FW Series Sensors					
Part Number	Part Number Price Description					
<u>ST30C6W</u>	\$4.00	AutomationDirect 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

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	Drawing Link	Weight Ib [g]			
<u>OPT2118</u>	\$11.50	Wenglor mounting bracket, right-angle swivel, 360 degree vertical and horizontal adjustment, aluminum, 12mm rod mount. For use with 30mm sensors.	Aluminum	304 Stainless steel	<u>PDF</u>	0.18 [81.7]			
<u>OPT2119</u>	\$21.00	Wenglor mounting bracket, right-angle swivel, 360 degree vertical and horizontal adjustment, 304 stainless steel, 12mm rod mount. For use with 30mm sensors.	304 Stainless Steel	304 Stainless steel	<u>PDF</u>	0.18 [81.7]			



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

OPT2118, OPT2119

1-800-633-0405 Mounting Rods and Brackets

Mounting Rods

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

Μ	Mounting Rods for OPT2112-2127 Swivel Mounting Brackets							
Part Number	Part Number Price Description		Drawing Link	Weight Ib (g)				
<u>OPT2109</u>	\$13.00	Wenglor mounting rod, 12mm diameter, 200mm length, 304 stainless steel.	PDF	0.41 [185.97]				
<u>OPT2110</u>	\$16.00	Wenglor mounting rod, 12mm diameter, 300mm length, 304 stainless steel.	PDF	0.60 [272.16]				
<u>OPT2111</u>	\$21.00	Wenglor mounting rod, 12mm diameter, 500mm length, 304 stainless steel.	PDF	0.98 [444.52]				



Right-angle Mounting Bracket

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

Right-angle Mounting Brackets for 12mm Sensors							
Part Number Price Description			Drawing Link	Weight Ib [g]			
<u>OPT2108</u>	\$16.00	Wenglor mounting bracket, right-angle, nickel plated brass. For use with 12mm mounting rods OPT2109, OPT2110 & OPT2111.	<u>PDF</u>	0.07 [31.8]			

