# **CR Series Capacitive Proximity Sensors**



### Rectangular plastic - DC

- Low profile housing ideal for sight glass applications
- N.O./N.C. selectable
- IP65/IP67 rated
- LED status indicators
- Auto-detect circuit
- Push button teach
- Mounting accessories available

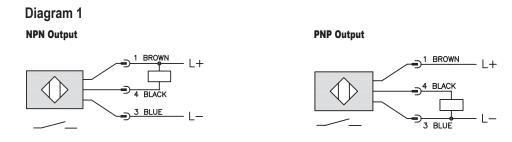
CR Series Capacitive Proximity Selection Chart											
Part Number	Price	Sensing Distance	Mounting	Output State	Logic	Connection	Wiring	Dimensions			
CR1-00-2A	\$71.00	12 mm [0.47 in]	Non-flush	N.O./N.C.	NPN/PNP	2m [6.5 ft] axial cable	Diagram 1	Figure 1			

CR Series Capacitive Proximity Specifications							
Mounting Type	Non-flush						
Nominal Sensing Distance	12mm [0.47 in]						
Operating Distance	NA NA						
Material Correction Factors	101						
Output Type	NPN/PNP; N.O./N.C.						
Operating Voltage	10 to 36VDC						
No-load Supply Current	< 17mA						
Operating (Load) Current	100mA						
Off-state (Leakage) Current	NA						
Voltage Drop	< 2.5V						
Switching Frequency	10Hz						
Differential Travel (% of Nominal Distance)							
Repeat Accuracy	NA						
Ripple	NA NA						
Time Delay Before Availability (tv)							
Reverse Polarity Protection	Yes						
Short-circuit Protection	Yes, pulsed						
Operating Temperature	-25 to 80°C [-13 to 176°F]						
Protection Degree (DIN 40050)	IEC IP65/IP67						
Indication/Switch Status	Yellow [output energized]						
Housing Material	Del ha Librar Tarrabilista (DDT)						
Sensing Face Material	Polybutylene Terephthalate [PBT]						
Shock/Vibration	DIN EN 60947-5-2						
Tightening Torque	NA						
Weight	92g [3.25 oz]						
Connectors	2m [6.5 ft] axial cable						
Agency Approvals	cULus file E328811, CE, RoHS						

www.automationdirect.com Proximity Sensors tSEN-391

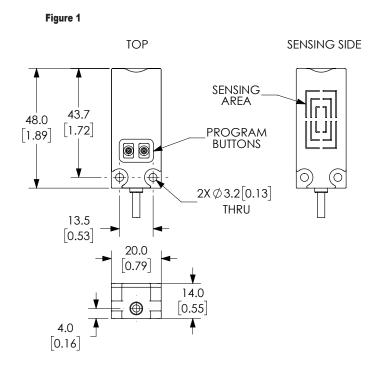
## **CR Series Capacitive Proximity Sensors**

### **Wiring Diagrams**



#### **Dimensions**

mm [inches]



# **Capacitive Proximity Sensors - Accessories**



**Mounting Adapter** 

Capacitive Proximity Sensors Accessory Chart									
Part Number	Price	Description	Material	Dimensions					
Mounting Adapter									
CR1-ADPTR	\$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									
<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

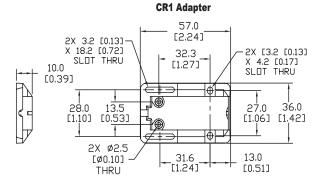
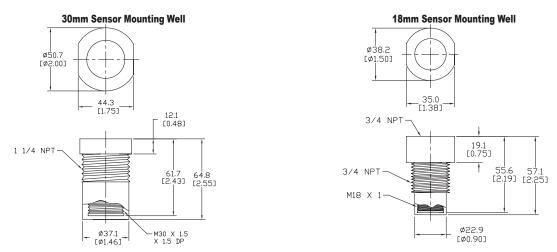


Figure 2 Figure 3



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