

# Proximity Sensors



XK Series

## Rectangular Plastic/Cylindrical Metal Sensors 3-Wire DC Type

### FEATURES

- Leadwire or connector termination
- Small size, low cost
- Glass filled thermoplastic polyester housing or aluminum bushing
- **Wide operating temperature range**

### ORDER GUIDE

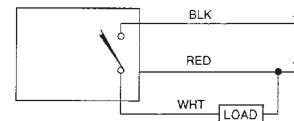
Sensor Package Style	Sensing Range mm (in.)*	Sensor Type	Output Type	Supply Voltage	Sw. Freq.	Catalog Listing
	1,27 (.05)	3-wire DC	NPN, N.O.	5 ± .5VDC	1 kHz	101XK5-1
				6 - 16VDC	1 kHz	101XK11-1 101XK11-10S 101XK11-Q
	3,17 (.125)	3-wire DC	NPN, N.O.	6 - 16VDC	1 kHz	111XK21-Q
				2,54 (0.10)	3-wire DC	NPN, N.C.

\* Standard target, SAE 1018 steel, 25,4 x 25,4 x 1,57mm (1 x 1 x .062 in.).

### SPECIFICATIONS

Sensor Type	3-wire DC
Voltage Drop, max.	0.4 V @ 10 mA, 1.0 V @ 20 mA
Load Current, min - max.	0 - 20 mA
Leakage Current, max.	10 µA
Current Consumption, max.	18 mA
Repeatability	± 1%
Rectangular Housing	Glass filled thermoplastic polyester
Bushing	Aluminum

### WIRING DIAGRAMS NPN (Sinking) N.O.



Proximity

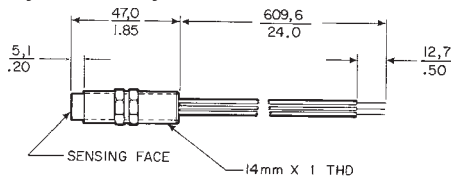
### CHARACTERISTICS

Termination	Temperature Range	Operate Point	Release Point	Catalog Listing
22 gage wires, irradiated PVC insulation, 305 mm (12 in.)	-40 to 125°C (-40 to 257°F)	1,27 mm (.05 in.)	2,54 mm (1.00 in.)	101XK5-1 101XK11-1
22 gage cable, 3 conductors, 3 m (10 ft.)	-40 to 125°C (-40 to 257°F)	1,27 mm (.05 in.)	2,54 mm (1.00 in.)	101XK11-10S
22 gage cable, 3 conductors, 610 mm (24 in.)	-25 to 65°C (-10 to 149°F)	2,54 mm (.10 in.)	6,35 mm (.250 in.)	121XK21-2
Solder/quick-connect terminals	-40 to 125°C (-40 to 257°F)	1,27 mm (.05 in.)	2,54 mm (1.00 in.)	101XK11-Q
Solder/quick-connect terminals	4 to 43°C (40 to 110°F)	3,17 mm (.125 in.)	6,35 mm (.250 in.)	111XK21-Q

### MOUNTING DIMENSIONS

(For reference only)

#### Cylindrical Style



#### Flat Pack Style

