

Capacitive Sensors

“One Touch” Programming Series - M30-T

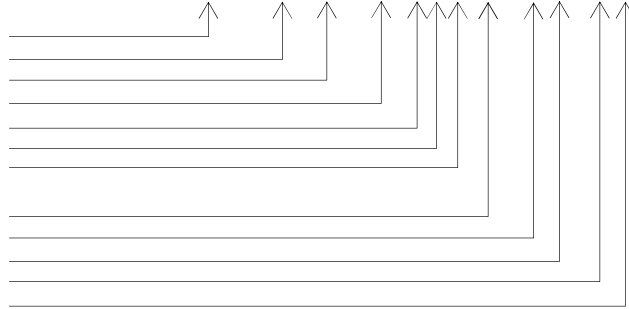
- Install and “touch” setup with precision performance
- Quick and easy installation
- Superior sensing (Sn) distance
- “Ultra” sensitivity design for low dielectric sensing



Order Template

BCX35-M30P-AP6X2-W1X1-T

Mounting	: B (Flush), N (Non-Flush)
Sensing distance	: (mm)
Series Type	: Metric (mm)
Body Type	: K (smooth barrel), P (threaded barrel)
Function	: A (N.O), R (N.C.), V (Analog)
Output	: N (NPN), P (PNP), Z (2 wire AC)
Voltage Range	: 2 (40..135 VAC), 3 (20..250VAC) 4 (10..65 VDC), 6 (10..40VDC)
Display	: X (LED), X2 (2 LEDs)
Connector Type	: W (cable), Y (cable w/ connector)
Mechanical	: 1 (straight), 3 (straight w/ adapter)
Wiring Type	: 1 (standard)
Option Code	: T (Teach), S (Standard)



Electrical Specifications

Wiring	.	. 2 AC or 3 wire
Supply Voltage	.	. See order template
Supply Current (no load)	.	. <7mA
Supply Current (load)	.	. 200 mA
Ripple (LINE)	.	. DC (<= 30mV p-p) AC (<= 2V p-p 50/60 Hz)
Hysteresis (Travel differential)	.	. <= 1%
Voltage Drop (sensor)	.	. DC (<=1.8VDC) AC (= 5.0 VDC)
Overload Protection	.	. YES
Offstate Current	.	. < 100uA
Time Delay (ON state)	.	. < 10 ms
Reverse Polarity	.	. YES
Short Circuit Protection	.	. YES
Repeatability	.	. < 2% of rated operating distance

Mechanical Specifications

Shock	.	. 30g, 11ms
Vibration	.	. 55 Hz, 1mm Amplitude in all 3 planes
IP Rating	.	. IP67
Material	.	. PVC

Operating Specifications

Proximity	.	. Shielded (0-40 mm), Unshielded (0 – 75 mm)
Temperature	.	. -40 to 85 C
Switching Frequency	.	. < 10Hz
“ON” state duration	.	. < 10 ms

