



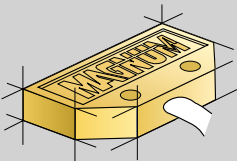
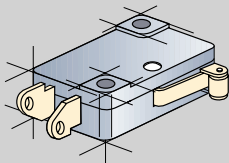
Low Power Control Monitor for use in Explosionproof Hazardous Areas

Quantum® Explosionproof

Integrated within a high impact aluminum enclosure meeting NEMA 4, 4X, 7, 9, Class I, Groups C & D, Class II, Groups E, F, & G, Division 1 and 2 explosionproof requirements and certified to Factory Mutual and Canadian Standards, the Quantum® standardly houses two high current mechanical or Magnum® proximity sensors and a wide range of integrated Falcon™ solenoid valves in both three-way and four-way configurations. Falcon solenoid valves are available in a variety of coil voltages and body materials with stainless steel internals as standard. Cv. values range from .3 to 3.5.



Standard Sensor Options



Micro-Switch V3

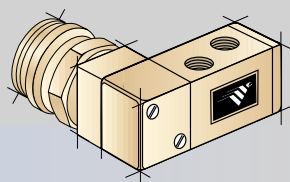
SPDT Form C, UL, CSA

AMPS	SPDT (V3)		DPDT (Licon)	
	VAC	VDC	AMPS	VAC
15	125		10	125
15	250		10	250
10		24		
.50		125		
.25		250		

MAGNUM® Proximity Sensors

High Current Proximity Sensor, SPDT Form C
UL, CSA (Hermetically Sealed)

AMPS	SPDT	
	VAC	VDC
3	120	
1.5	240	
2		24



COIL POWER SUPPLY

	COILS			
	24 VDC	120 VAC	125 VDC	220 VAC
Operating Voltage	24 VDC	120 VAC	125 VDC	220 VAC
Wattage	0.55 Watts	4 Watts	1 Watt	4 Watts
Operating Current	22 mA	27 mA	8.60 mA	17.5 mA
Coil Resistance	1050 Ohms	1100 Ohms	14500 Ohms	3750 Ohms

Quantum® Explosionproof

AREA CLASSIFICATIONS	
NEMA 4, 4x, 7, 9	
Class I, Groups B, C, D	
Class II, Groups E, F, G, Div. 1 & 2	

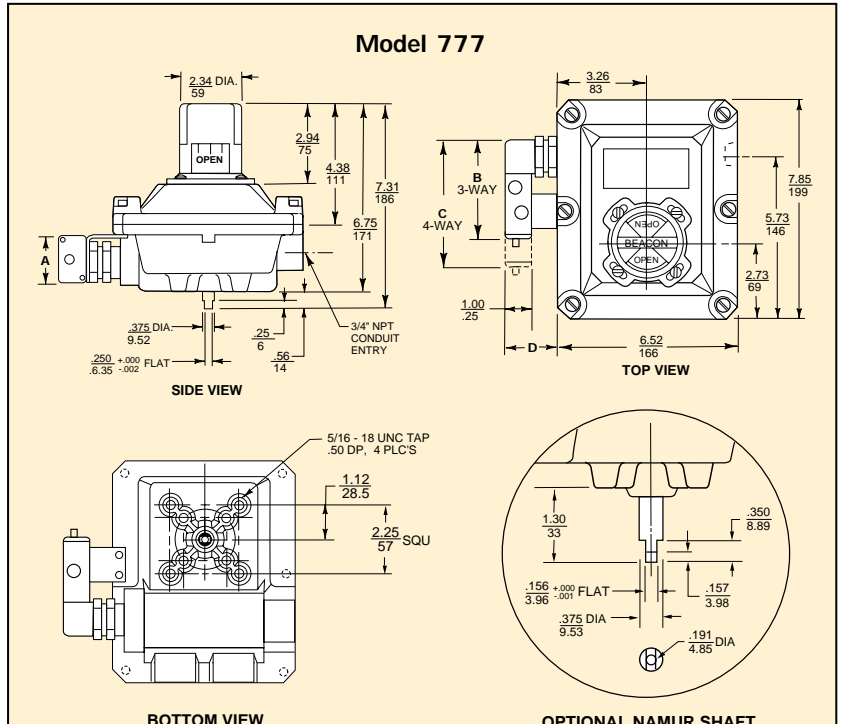
ORDERING GUIDE  (FALCON® SOLENOID)

COILS	CV	Body	3-Way	4-Way
XSO 24 VDC 0.55 watts	.3 Cv	Brass	2100	2500
		Alum.	3100	3500
		303 S.S.	4100	4500
		316 S.S.	5100	5500
XAO 120 VAC 4.0 watts	.5 Cv	Brass	2200	2600
		Alum.	3200	3600
		303 SS	4200	4600
		316 S.S.	5200	5600
XVO 125 VDC 1.0 watts	.5 Cv	Brass	2200	2600
		Alum.	3200	3600
		303 SS	4200	4600
		316 S.S.	5200	5600
XHO 220 VAC 4.0 watts	1.2 Cv	Brass	2300	2700
		Alum.	3300	3700
		303 S.S.	4300	4700
		316 S.S.	5300	5700
	3.5 Cv	Alum.	3400	3800
		Delrin	6400	6800

OPTIONAL FEATURES (See BULLETIN NO. Q-18.00)

DIMENSIONS (inches/mm)

Model 777


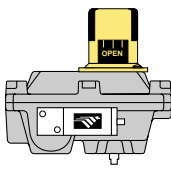






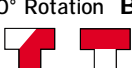

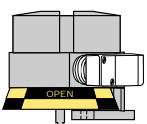



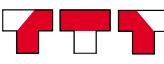


Solenoid Valve	Dimensions			
	A	B (3-WAY)	C (4-WAY)	D
.3 & .5 Cv	1.50	3.31	4.06	2.72
1.2 Cv	2.0	4.50	5.50	3.15
3.5 Cv	2.75	5.25	6.56	3.47

Model 360 Dimensions (consult factory)

Note: Minimum operating pressure: 45 psi.

ORDERING GUIDE

QUANTUM™ LP	BEACON™	3-WAY BEACON™	SENSOR	SOLENOID (Falcon®)
777 Aluminum NEMA 4, 4x, 7, 9 Class I, Groups C, D Class II, Groups E, F, G, Division 1 & 2  	STANDARD (Black & Yellow) BY 	90° Rotation B1 	Mech. (SPDT) M2	Use above listing for ordering solenoid 
	ANSI YELLOW (Inherently Hazardous) AY 	90° Rotation B3 	Mech. (DPDT) M4	
	ANSI GREEN (Liquid-Low Hazard) AG 	90° Rotation B5 	Magnum (SPDT) M6	
360CM Aluminum 363CM 303 Stainless Steel 366CM 316 Stainless Steel NEMA 4, 4x, 7, 9 Class I, Grps. B, C & D Class II, Grps. E, F, G, Division 1 & 2  	ANSI BLUE (Gas-Low Hazard) AB 	180° Rotation B7 	Magnum (SPST) M7	
	ANSI RED (Fire Quenching) AR 	180° Rotation B9 	TRANSMITTERS	
			Resistive Output: 1000 ohms RS Current Output: 4-20 mA CS	

Ordering Example: Quantum LP Explosionproof, aluminum enclosure with standard black & yellow Beacon, 2 Magnum Sensors and Falcon 120 VAC/4.0 watts, .5 Cv, brass, 3-Way solenoid valve. 777-BY-M6-XAO-2200