



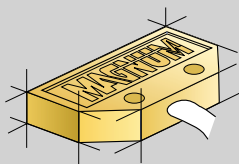
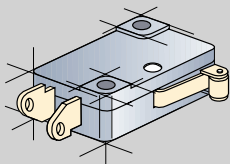
Low Power Control Monitor for use in Explosionproof Hazardous Areas

Quantum® Dual Coil 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 dual coil

Falcon™ solenoid valves in 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 1.2.

Standard Sensor Options



Micro-Switch V3

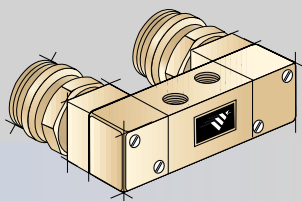
SPDT Form C, UL, CSA

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 Watts	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® Dual Coil Explosionproof

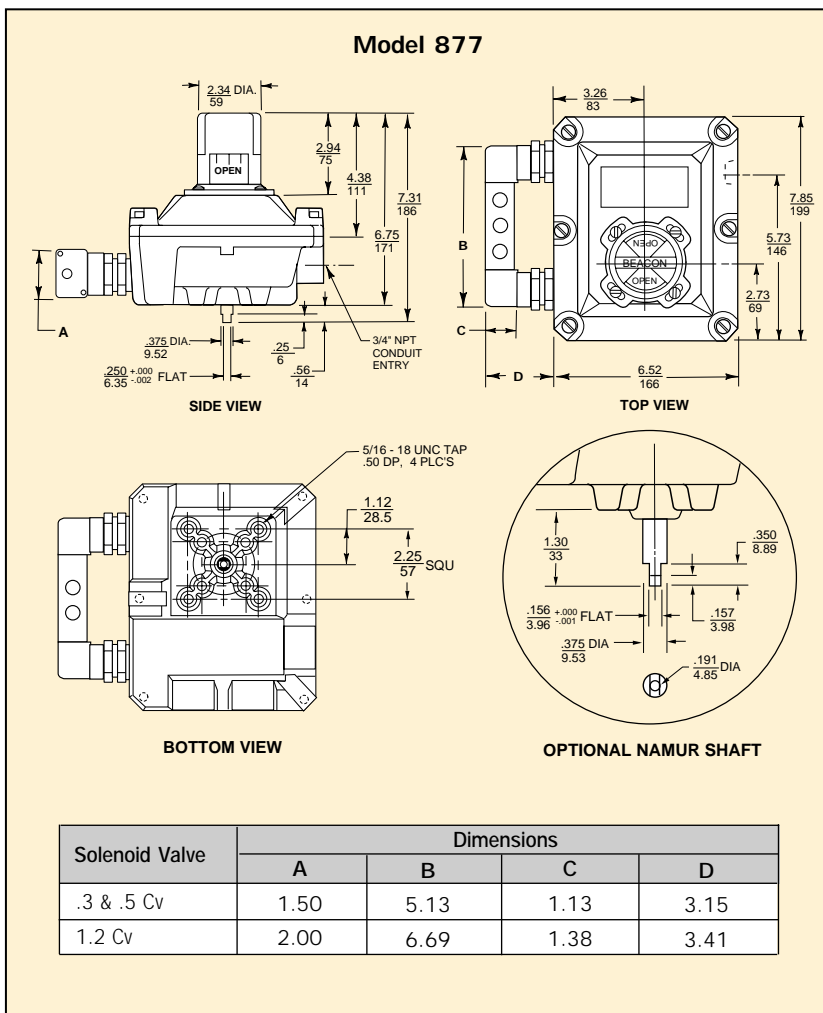
AREA CLASSIFICATIONS
NEMA 4, 4x, 7, 9 Class I, Groups C, D Class II, Groups E, F, G, Div. 1 & 2

ORDERING GUIDE  (FALCON® SOLENOID)

COILS	CV	Body	4-Way
XSO 24 VDC 0.55 watts	.3 Cv	Brass	2900
		Alum.	3900
		303 S.S.	4900
		316 S.S.	5900
XAO 120 VAC 4.0 watts	.5 Cv	Delrin	6900
		Brass	2000
		Alum.	3000
XVO 125 VDC 1.0 watts	.5 Cv	303 SS	4000
		316 S.S.	5000
		Delrin	6000
		XHO 220 VAC 4.0 watts	1.2 Cv
Alum.	3Y00		
303 S.S.	4Y00		
316 S.S.	5Y00		
		Delrin	6Y00

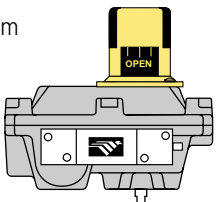





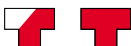

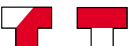




OPTIONAL FEATURES (See BULLETIN NO. Q-18.00)

DIMENSIONS (inches/mm)



Note: Minimum operating pressure: 45 psi.

ORDERING GUIDE

QUANTUM™ LP	BEACON™	3-WAY BEACON™	SENSOR	SOLENOID (Falcon®)
877 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	
	ANSI BLUE (Gas-Low Hazard) AB 	180° Rotation B7 	Magnum (SPST) M7	
	ANSI RED (Fire Quenching) AR 	180° Rotation B9 		

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, 4-Way solenoid valve. 877-BY-M6-XAO-2000