



Low Power Control Monitor for use in Division 2, Nonincendive Hazardous Areas

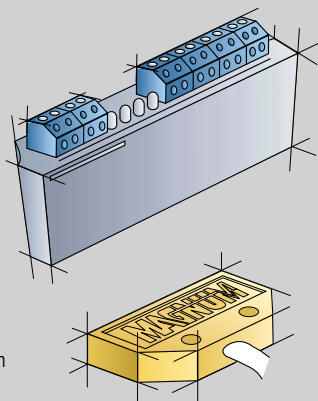
Quantum™ Dual Coil Nonincendive

The Quantum™ combines three individual components (junction housing, sensors, and dual coil solenoid valves) into a single cost effective unit. Available in an engineered resin enclosure, the Quantum meets Class I, Groups A, B, C & D and Class II, Groups F & G, Division 2 nonincendive requirements. Provided with two high current, hermetically sealed Magnum™ proximity sensors and a wide range of integrated Falcon™ dual coil solenoid valves in four-way configurations, the Quantum carries Factory Mutual and Canadian Standards Association certifications. Falcon solenoid valves are available in a variety of coil voltages



and body materials with stainless steel internals as standard. Cv. values range from .5 to 3.5.

Standard Sensor Options



ATTENTION

Magnum and Proximity Sensors Only
For low power ($P \leq 240$ mW) and/or high DI card capacitance ($C \geq 0.01$ mfd.) applications refer to the Reference Section Bulletin No. WD-13.02 or specify the MagPAC sensor module.

MagPac™ Modular Sensors

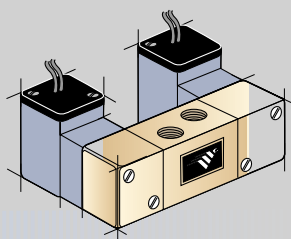
Bifurcated Reed Proximity Sensor, SPST • FM, CSA (Hermetically Sealed)

mA	VAC	VDC
2-750	120	120
2-750		24

MAGNUM™ Proximity Sensors

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

Rhodium			Tungsten (SPDT Only)		
Amps	VAC	VDC	Amps	VAC	VDC
0.295	120		3	120	
0.15	240		1.5	240	
1		24	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	0.5 Watts	4 Watts	0.85 Watts	4 Watts
Operating Current	20 mA	29.5 mA	6.76 mA	19 mA
Coil Resistance	1200 Ohms	610 Ohms	18500 Ohms	2200 Ohms

Quantum™ Dual Coil

Nonincendive

AREA CLASSIFICATIONS

NEMA 4, 4x, Nonincendive
 Class I, Division 2, Groups A, B, C, D
 Class II, Division 2, Groups F, G

ORDERING GUIDE

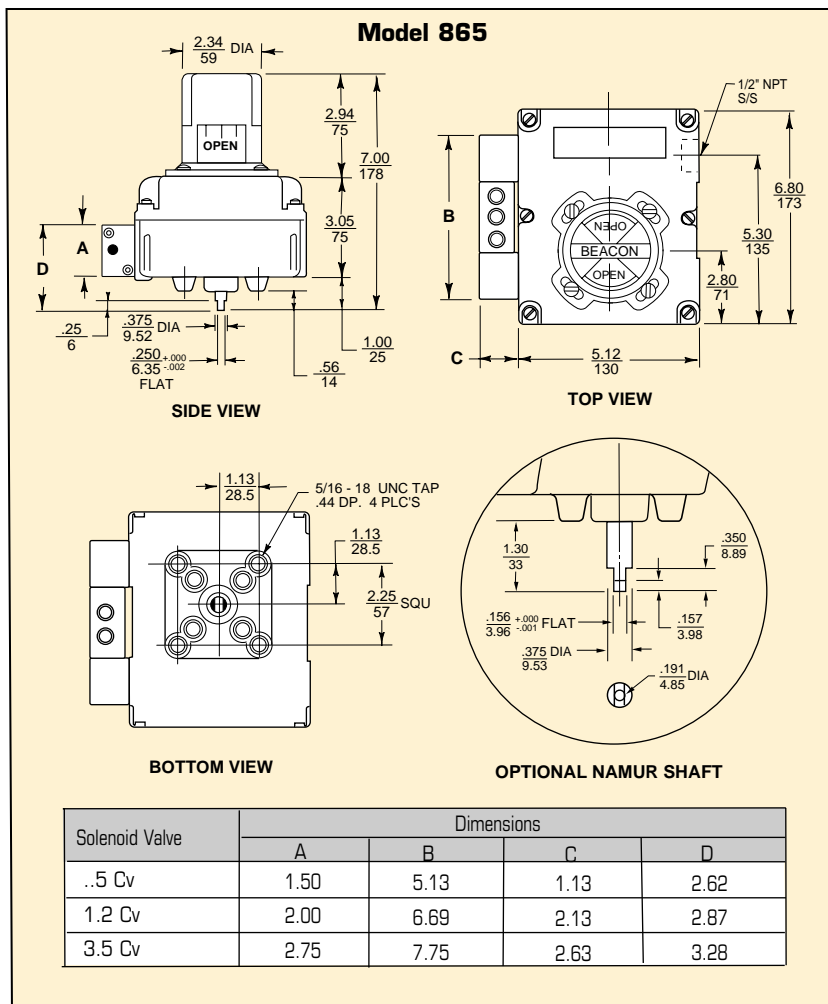


(FALCON™ SOLENOID)

COILS	CV	Body	4-Way
F50 24 VDC 0.5 watts	.5Cv	Brass	2000
		Alum.	3000
		303 S.S.	4000
F40 120 VAC 4.0 watts	1.2 Cv	316 S.S.	5000
		Brass	2Y00
FV0 125 VDC 0.85 watts	1.2 Cv	Alum.	3Y00
		303 S.S.	4Y00
		316 S.S.	5Y00
FH0 220 VAC 4.0 watts	3.5 Cv	Alum.	3Z00
		303 S.S. *	4Z00

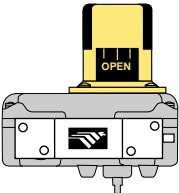



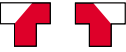




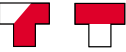



OPTIONAL FEATURES (See BULLETIN NO. Q-18.02)

DIMENSIONS (inches/mm)



* Only available in optional aluminum or SS enclosure. Note: Operating pressure: 45-120psi.

ORDERING GUIDE

QUANTUM™ LP	BEACON™	3-WAY BEACON™	SENSOR	SOLENOID (Falcon™)
865 Engineered Resin  NEMA 4, 4x Class I, Div. 2, Groups A, B, C, D Class II, Div. 2, Groups F, G  	STANDARD (Black & Yellow) BY 	90° Rotation B1 	Magnum (SPDT Tungsten) 2M6 Magnum (SPST Rhodium) 2M10 Magnum (SPDT Rhodium) 2M12 MagPAC 2 (SPST) Module w/ LED indication M13	Use above listing for ordering solenoid 
	ANSI GREEN (Liquid-Low Hazard) AG 	90° Rotation B3 		
	ANSI BLUE (Gas-Low Hazard) AB 	90° Rotation B5 		
	ANSI RED (Fire Quenching) AR 	180° Rotation B7 		
		180° Rotation B9 		

NOTE: Model 865 Max. 3 Switches

Ordering Example: Quantum LP Nonincendive, resin enclosure with standard black & yellow Beacon, 2 SPDT Magnum Sensors and Falcon 24 VDC/0.5 watts, .5 Cv, brass, 4-Way solenoid valve. 865-BY-2M6-F502000

Westlock reserves the right to change product designs and specifications without notice, and is not responsible for errors and omissions.