



Low Power Control Monitor for use in Non-Hazardous Areas

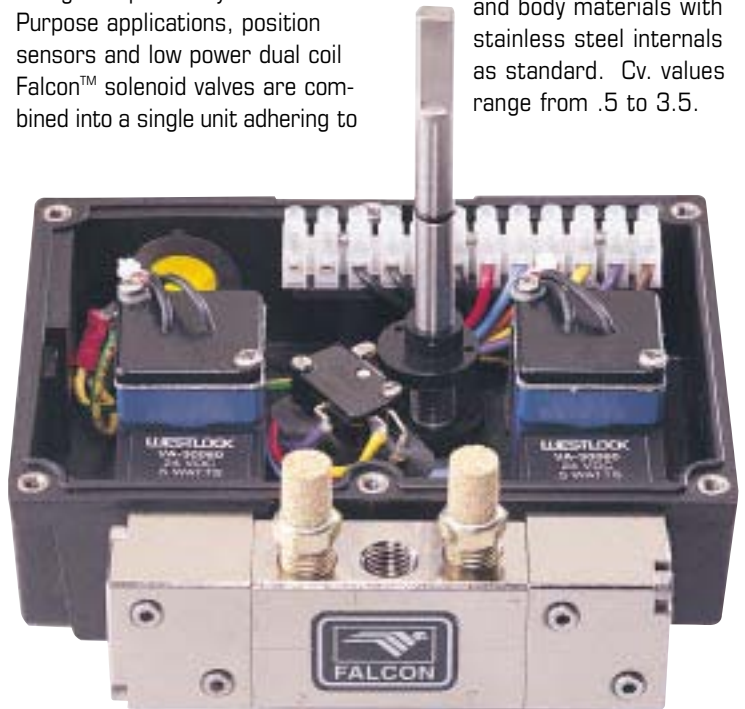
Quantum™ Dual Coil

General Purpose

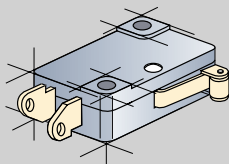
Offering an extremely efficient and compact method for the integration of position sensors and dual coil solenoid valves, the Quantum™ combines three individual components (junction housing, sensors, and dual coil solenoids) into a single cost effective unit.

Designed specifically for General Purpose applications, position sensors and low power dual coil Falcon™ solenoid valves are combined into a single unit adhering to

NEMA 4, 4x requirements. Available in an engineered resin enclosure, the Quantum standardly houses two SPDT Form C Micro-Switches and a wide range of integrated dual coil 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 .5 to 3.5.

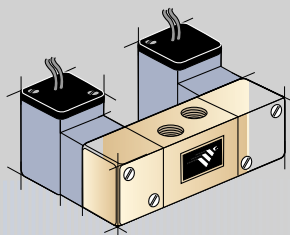


Standard Sensor Options



Micro-Switch V3 SPDT Form C, UL, CSA

AMPS	SPDT (V3)		DPDT (Licon)		
	VAC	VDC	AMPS	VAC	VDC
15	125		10	125	
15	250		10	250	
6		24	10		28
.5		125			
.25		250			



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

General Purpose

AREA CLASSIFICATIONS

NEMA 4, 4x

ORDERING GUIDE



(FALCON™ SOLENOID)

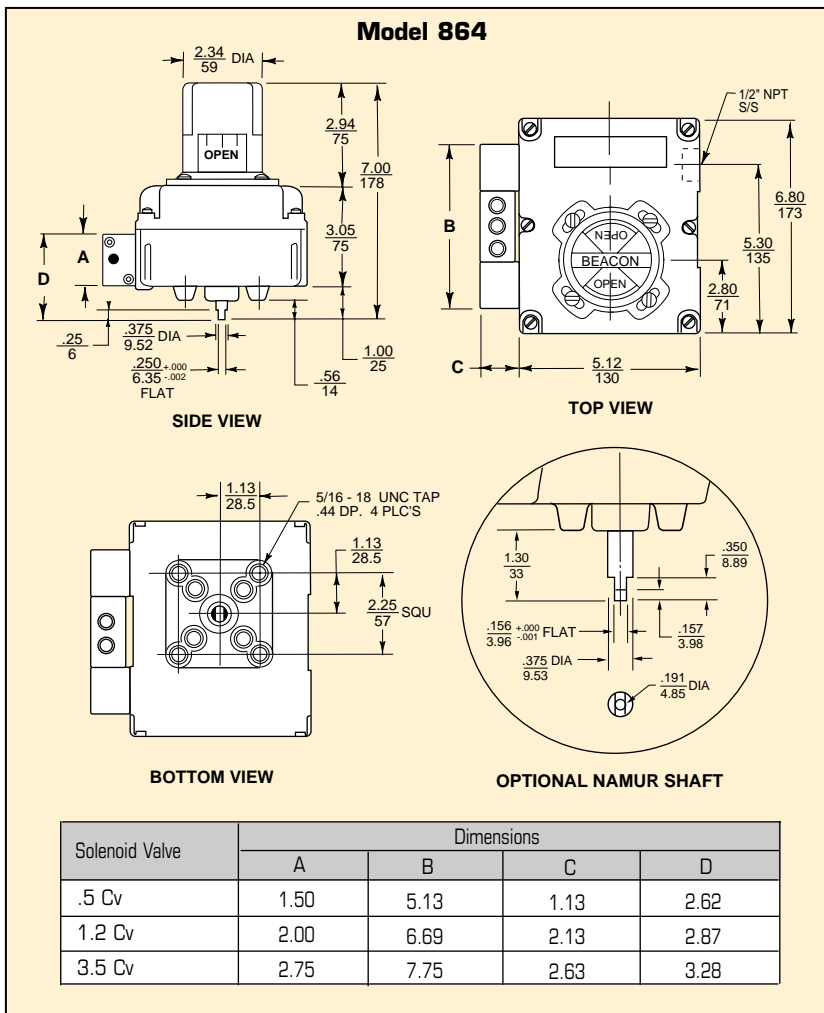
COILS	CV	Body	4-Way
F50 24 VDC 0.5 watts	.5Cv	Brass	2000
		Alum.	3000
		303 S.S.	4000
FAO 120 VAC 4.0 watts	1.2 Cv	316 S.S.	5000
		Brass	2Y00
		Alum.	3Y00
FVO 125 VDC 0.85 watts	3.5 Cv	303 S.S.	4Y00
		316 S.S.	5Y00
		Alum.	3Z00
FHO 220 VAC 4.0 watts	3.5 Cv	303 S.S. *	4Z00

OPTIONAL FEATURES (See BULLETIN NO. Q-18.02)

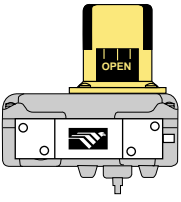



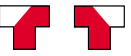


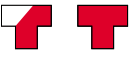




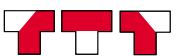
* Only available in optional aluminum or SS enclosure

ORDERING GUIDE

DIMENSIONS (inches/mm)



Note: Operating pressure: 45-120psi.

QUANTUM™ LP	BEACON™	3-WAY BEACON™	SENSOR	SOLENOID (Falcon™)
864 Engineered Resin NEMA 4, 4x   	STANDARD (Black & Yellow) BY 	90° Rotation B1 	Mech. (SPDT) 2M2 Mech. (DPDT) 2M4 	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 864 Max. 3 Switches

Ordering Example: Quantum LP General Purpose, resin enclosure with standard black & yellow Beacon, 2 mechanical switches and Falcon 120 VAC/4.0 watts, .5 Cv, brass, 4-Way solenoid valve. 864-BY-2M2-FAQ2000

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