DFS-II Doppler Flow Switch

Approximate shipping weight: 8 lbs / 3.6 kg

Model   DFS-II - __ - __ - __ - __ - __ - __ - __

STANDARD FEATURES:

- SE3 sensor - strap-on, single head ultrasonic for 0.5" to 180" (12.5 mm to 4.5 m) ID pipes
- sensor cable - 20 ft / 6 m shielded coaxial pair
- installation - Silicone coupling compound
- PCK stainless steel Pipe Clamp Kit for 0.5-16" / 12.5-406 mm OD pipes
- enclosure - watertight, dust-tight NEMA4X (IP67) polycarbonate
- 1 Relay - 5 ampere DPDT
- set point - On/Off adjustment 0.25 - 10 ft/sec (0.076 - 3 m/sec)
- relay time delay - adjustable, 0-60 seconds
- failsafe mode - switch selectable
- indication - Relay and Signal strength LED's
- sensitivity - adjustable
- power input - 120VAC 50-60Hz
- electrical surge protection
- 1 Manual - Installation and Operation

POWER INPUT		
Standard 100-160VAC 50/60Hz		A
220VAC 50/60Hz		B
24VDC		C

ENCLOSURE - Standard NEMA4X (IP67) polycarbonate		1
AXJ884 - Explosion Proof NEMA7		2

ENCLOSURE TEMPERATURE - Standard (-10° to 140°F / -23° to 60°C)		A
Heater and Thermostat (AC only, 15 watts)		B

ELECTRONICS PROTECTION Standard - no circuit board coating		1
Conformal Coating ("tropicalized") for humid atmospheres		2

SENSORS (with 20 ft / 6 m shielded coaxial cable)		
SE3 standard Sensor (for 0.5" / 12.5 mm ID pipes or larger)		A
SE3H High temperature (302°F / 150°C) for 0.5" / 12.5 mm ID pipes or larger		C
ISE6 Insertion Sensor (6" / 150 mm length)		E
ISE12 Insertion Sensor (12" / 300 mm length)		F

INTRINSIC SAFETY BARRIERS (built into electronics enclosure)		
Standard, General Purpose locations, not Intrinsically Safe		1
2ISB Intrinsic Safety Barriers (2) for Sensor installation in Class I,II,III, Div. I,II, Groups C,D,E,F,G hazardous locations (larger electronics enclosure supplied)		2

SENSOR CABLE LENGTH		
Standard 20 ft / 6 m shielded coaxial cable		A
50 ft / 15 m continuous shielded coaxial pair		B
100 ft / 30 m continuous shielded coaxial pair		C

OPTIONS AND ACCESSORIES

QTY	CODE	DESCRIPTION	
	DXC	Extra Sensor Cable up to 500 ft / 150 m (RG174U shielded coaxial pair)	
	DJB	Sensor Cable Junction Box with connections terminal, NEMA4 steel	
	PCK	Extra stainless steel Mounting Clamp Kit for 0.5-16 in (12.5-406 mm) OD pipes	
	CC	Coupling Compound - Dow Corning Silicone Compound 150 g. (5.3 oz) tube	
	AP-1W	High Temperature Coupling Compound 56 g. (2 oz)	
	CHS	Spare/Replacement set of electronics with mounting plate	
	MNL	Additional Manuals (One supplied with each unit)	

REPLACEMENT SENSORS (each with 20 ft / 6 m shielded coaxial cable)
* Provide Instrument Serial number when ordering replacements

	SE3	Standard Sensor (for 0.5" / 12.5 mm ID pipes or larger)	
	SE3H	High temperature Sensor (302°F / 150°C) for 0.5" / 12.5 mm ID pipes or larger	
	ISE6	Insertion Sensor (6" / 150 mm length)	
	ISE12	Insertion Sensor (12" / 300 mm length)	