



Fluid Flow Switches



Standard Flow—
For use with 1" or greater pipe size. 35LZ20 is a low-energy switch with gold-plated contacts for improved electrical performance in low-voltage, low-current circuits (dry circuits) to switch low-energy resistive loads, such as control signals.

- SPDT
- 24-230V, except 35LZ20 is 4-120V
- Max. fluid temperature: 250°F
- Max. pressure: 290 psi
- Wetted materials: Viton

For fluid lines carrying ethylene glycol, water, or other nonhazardous liquids.

Low Flow—For use with 1" or smaller pipe size.

Min. Flow Rate (gpm)	Max. Flow Rate (gpm)	Switch Encl.	Connec. Size (in.)	Mr. Model	Item No.
Standard Flow					
2.5 gpm	760 gpm	NEMA 3R	1 MNPT	F261KAH-V01C	35LZ18
				F261MAL-V01C	35LZ20
		NEMA 4	F261MAH-V01C	35LZ21	
Low Flow					
0.6 gpm	17 gpm	NEMA 3R	½ FNPT x ½ FNPT	F261KEH-V01C	35LZ12
			¾ FNPT x ¾ FNPT	F261KFH-V01C	35LZ13
		NEMA 4	½ FNPT x ¾ FNPT	F261KFH-V02C	35LZ14
			¾ FNPT x ¾ FNPT	F261MEH-V01C	35LZ15
			¾ FNPT x ¾ FNPT	F261MFH-V01C	35LZ16



Air Flow Switch

- SPDT
- Max. air velocity: 2000 fpm
- Max. ambient temp.: 104°F

Detects duct air flow (or absence) by velocity of air movement. Features trimmable 1-pc. stainless steel paddle and range-adjusting screw for field adjustment. Gasket included.

Paddle Size	Full Load Amps @ 115/230V	Min. Actuation Velocity	Min. Actuation Velocity Horizontal	Min. Actuation Velocity Vertical	Mr. Model	Item No.
2½" x 6"	16.0/8.0	500 fpm (> 50 sq in duct area)	750 fpm (> 50 sq in duct area)		F262KDH-01C	35LY69



Robertshaw **SIEMENS**

Pressure-Sensing Switches and Probes

PRESSURE-SENSING SWITCHES

Mount with diaphragm in vertical plane. Sense positive, negative, or differential air pressure. Negative pressure rating same as positive.

HVAC OEM and HVAC General Purpose

For residential, light commercial mid-efficiency furnaces, and direct digital control (DDC) applications. 2E462 includes ferrules, one 12" length of ¼" O.D. flexible tubing, and ¼" O.D. tubing nuts.

Gold Contact—For computer environments, direct digital control, or where low-ampere currents are wired.

STATIC AND TOTAL PRESSURE PROBES

Static Pressure—Passive probes sense pressure as air flow aspirates across the probe tip opening.

Total Pressure—Impact probes sense negative or positive pressure, depending on the angle of the probe tip opening.

Type	Switch Type	Pressure Setting Range (in. WC)	Sample Line Connector	Brand	Mr. Model	Item No.
Pressure-Sensing Switches (Manometer Required to Set Final Pressure)						
HVAC OEM	SPDT	0.25 to 1.0	Barbed	Cleveland Controls	RSS-495-014	3ZM96
		1.0 to 4.0	Barbed		RSS-498-015	3ZM97
		0.10 - 10.0	¼ in OD		NS2-0000-05	6XPX7
		0.05	Barbed		DFS-221-112-395	6XPX9
		0.05 to 12.0	Integral Compression		AFS-222-139	3ZM92 *
		0.12 to 5.0	Barbed	RFS-4150	4XB70	
		0.15 to 12.0	⅝" - 27 NPT	P32AC-1C	40G362	
			¾ in CC	P32AC-2C	40G363	
			⅝" - 27 NPT	P32AC-8C	40G364	
				P32AF-1C	40G365	
		P32AF-2C	40G366			
HVAC/General Purpose	SPDT	0.05 to 12.0	Integral Compression	Columbus Electric	2374-495	6XJU0
		0.25 to 1.0	Barbed		2374-498	6XJU1
		1.0 to 4.0	Barbed	2374-499	6XJU2	
		0.05 to 12.0	Integral Compression	2374-500	6XJU3	
				2374-502	6XJU5	
				2374-506	6XJU9	
				2374-507	6XJV0	
				2374-508	6XJV1	
				2374-509	6XJV2	
				AFS-405-140	3ZM93 *	
Gold Contact	SPDT	0.15 +/-, 0.02 to 5.0	Integral Compression	Cleveland Controls	AFS-405-140	3ZM93 *
		0.05 to 12.0	Integral Compression	Robertshaw	2374-503	6XJU6
Manual Reset	SPST	1 to 12.0	¼ in OD	Siemens	141-0575	40PN37
		0.4 to 12.0	Integral Compression	Cleveland Controls	AFS-460-142	3ZM94 *
Auto Reset	SPDT	0.05 to 1.0	¼ in OD	Robertshaw	2374-504	6XJU7
				Siemens	141-0574	2KGR4 *

Insertion Length (in.)	Exterior Length (in.)	Overall Length (in.)	STATIC PRESSURE PROBES		TOTAL PRESSURE PROBES	
			Without Metal Barbed Hose Adapter Item No.	With Metal Barbed Hose Adapter Item No.	Without Metal Barbed Hose Adapter Item No.	With Metal Barbed Hose Adapter Item No.
1 ½ in	1 ¾ in	3 ¼ in	2EJK2	2EJN1	2EJL1	2EJN9
2 in	1 ¾ in	3 ¼ in	—	2EJN2	2EJL2	2EJP1
3 ½ in	1 ¾ in	5 ¼ in	2EJK4	2EJN3	2EJL3	2EJP2
4 in	1 ¾ in	5 ¼ in	2EJK5	2EJN4	2EJL4	2EJP3
5 ½ in	1 ¾ in	7 ¼ in	—	2EJN5	2EJL5	2EJP4
6 in	1 ¾ in	7 ¼ in	2EJK7	2EJN6	2EJL6	2EJP5
7 ½ in	1 ¾ in	9 ¼ in	2EJK8	—	2EJL7	—
8 in	1 ¾ in	9 ¼ in	2EJK9	2EJN8	2EJL8	2EJP7

* 2 slip-on tubing adapters and mounting screws included.



2AGD4



Air Pressure Controls

Low-Pressure Transducers—Measure static and differential pressure of clean, dry, noncorrosive gases in HVAC ducts and other applications. LED power status indicator. Detachable terminal block simplifies wiring. NEMA 1 ABS housing has ¼" barbed male fittings. Proof pressure 15 psi, burst pressure 25 psi.

- Accuracy: 0.8% full scale
- 4 to 20mA output

Pressure Range (in. WC)	Mr. Model	Item No.
Ashcroft, Low-Pressure Transducers		
0 to 0.1	CX8MB242P11W	2AGD4
0 to 0.25	CX8MB242P25IW	2AGD5
0 to 0.5	CX8MB242P51W	2AGD6
0 to 1	CX8MB24211W	2AGD7
0 to 3	CX8MB24231W	2AGD8
0 to 5	CX8MB24251W	2AGD9
0 to 10	CX8MB24210IW	2AGE1
-0.1 to 0 to 0.1	CX8MB242P11WL	2AGE2
-0.25 to 0 to 0.25	CX8MB242P25IWL	2AGE3
-0.5 to 0 to 0.5	CX8MB242P51WL	2AGE4
-1 to 0 to 1	CX8MB24211WL	2AGE5
-2 to 0 to 2	CX8MB24221WL	2AGE6
-5 to 0 to 5	CX8MB24251WL	2AGE7
Dwyer Instruments, Air Pressure Transmitters		
0 to 1, 0 to 2, or 0 to 5 MS-111	1AEW1	
0 to 0.1, 0 to 0.25, or 0 to 0.5	MS-121	1AEW2

Air Pressure Transmitters—Monitor differential pressure and air velocity. Ranges and units are field selectable. Adjustable display damping. ¼" I.D. tubing connection.

- Operating temp.: 0° to 150°F
- Power supply: 2-wire, 10 to 35VDC
- 4 to 20mA DC signal output

Description	For Use With	Item No.
Accessories		
Ashcroft, Conduit Connection Kit	CXLdp Differential Pressure Transmitter	2AGE8
Dwyer Instruments, Display Upgrade Kit	Dwyer MS Magnesense Differential Pressure Transmitters	1AEW3



35LZ10

Liquid Level Float Switches

A change in the liquid level will open or close an electrical circuit, and allows you to maintain the proper liquid level in a closed tank.



Switch Type	Max. Pressure (psi)	Max. Temp. (°F)	Mr. Model	Item No.
SPDT	100	250	F263MAC-V01C	35LZ10
SPDT	150	212	F263MAP-V01C	35LZ11