

Type F3.05 No-Flow Switches

The Type F3.05 No-Flow Switches open an electrical circuit when flow velocity decreases below 0.15 m/s (0.5 ft./sec.). These units offer reliable pump protection. The unique Halar® paddle wheel design is not available from other manufacturers.

Body Materials: CPVC, PVDF, 316L Stainless Steel, Brass

Rotor: ECTFE (Halar®)

Shaft & Bearings: Ceramic

Seals: EPDM, Viton®

Pipe Sizes: 1/2"– 24" in two sensor lengths, L0 or L1
See Installation Fittings (pages 28–30)

Velocity Trip Point:

0.15 m/s (0.5 ft./sec.) not adjustable. The normally open contact closes after a delay of 2 seconds

Visual Flow Indication: Bicolour LED
Red = No Flow, Green = Flow

Relay Output: Mechanical SPST contact,
No Flow = open contact
1A @ 24 VDC, 0.5A @ 125 VAC,
0.1A @ 230 VAC

■ Features

- **Reliable Pump Protection** – Typical applications are to protect a pump from running dry or pumping against a closed valve in the main pipe.
- **Visual Flow Indication** – red/green bicolour LED

■ Technical

Supply Voltage: 12 to 24 VDC, regulated

Current Consumption: < 50 mA

Electrical Class: NEMA 4, 4X (IP65) 4-pole DIN 43650

Maximum % Solids: 10% with particle size not exceeding 0.5 mm cross section or length

Max. Operating Pressure/Temperature: See chart on page 35

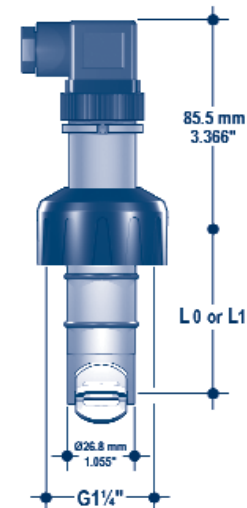
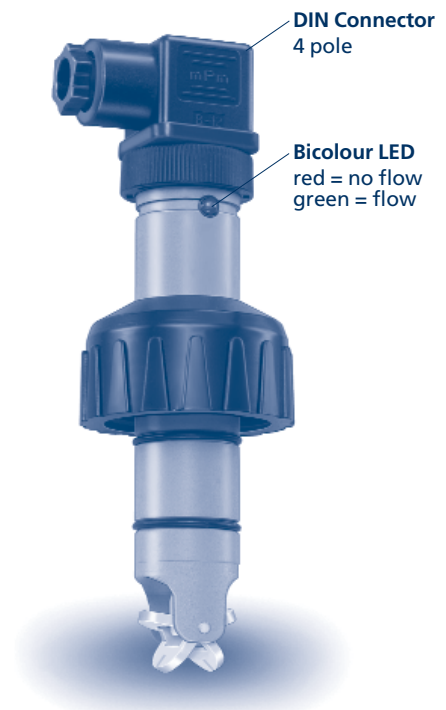
■ Installation Guidelines

- See page 33 for preferred installation positions. No minimum length of straight pipe is required.

■ Item Numbers

- See page 20.

Digiflow® FLOW X3



L0 = 68.3 mm (2.69")
L1 = 98.5 mm (3.88")

■ Wiring

