

# Type F3.05

## No-Flow Switches

The Type F3.05 No-Flow Switches offer reliable pump protection. They open an electrical circuit when flow velocity decreases below 0.15 m/s (0.5 ft./sec.) and are not adjustable. 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 39–41)

### 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 43

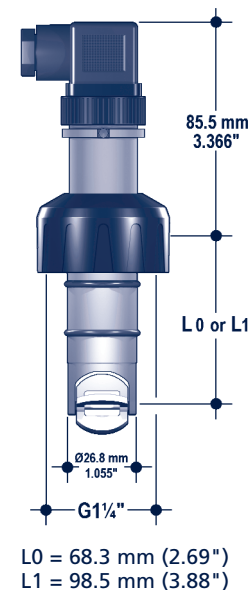
### ■ Installation Guidelines

- See page 44 for preferred installation positions. No minimum length of straight pipe is required.

### ■ Item Numbers

- See page 24

**Digiflow®**  
**FLOW X3**



### ■ Wiring

