

# Truflo® — FES Series

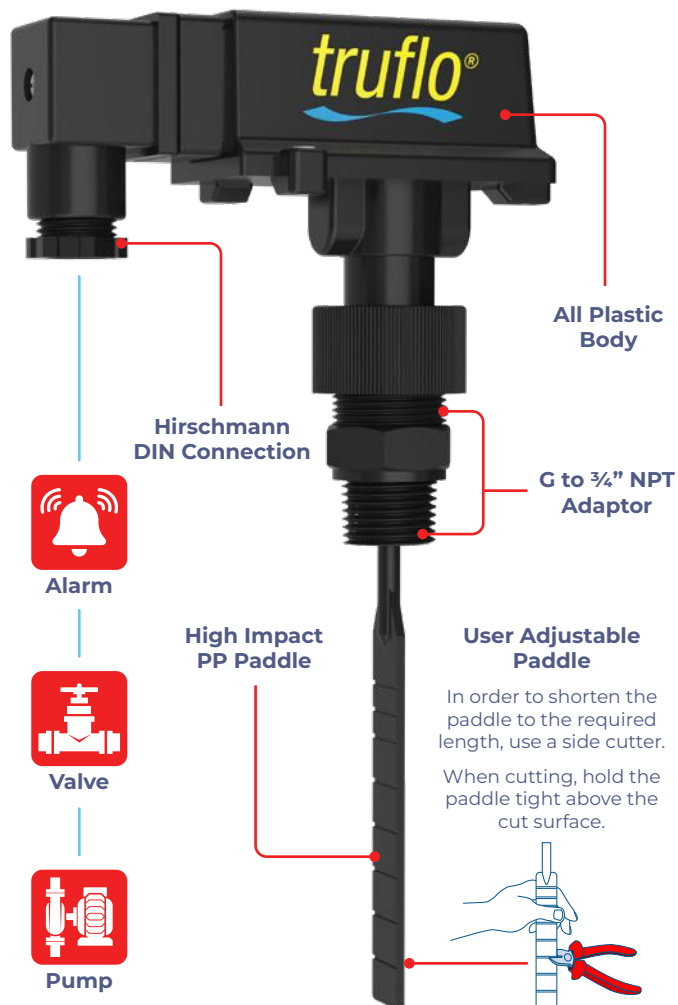
## Plastic Flow Switch

**ICON**™ Corrosion-Free  
PROCESS CONTROLS Instrumentation Equipment

- ✓ Excellent Pump Protection
- ✓ Hirschmann DIN Connection | Wire at Sensor
- ✓ Low Flow Switch Points

- ✓ Corrosion Resistant PP Body | Paddle
- ✓ ½ - 12" Pipe Sizes
- ✓ IP65 | NEMA 4X Enclosure
- ✓ Simple Installation Process
- ✓ Easily Changed from NO to NC

*truflo*®



### Protect your equipment

The Truflo® FES Series Flow Switch is designed to detect liquid flow or low/no flow.

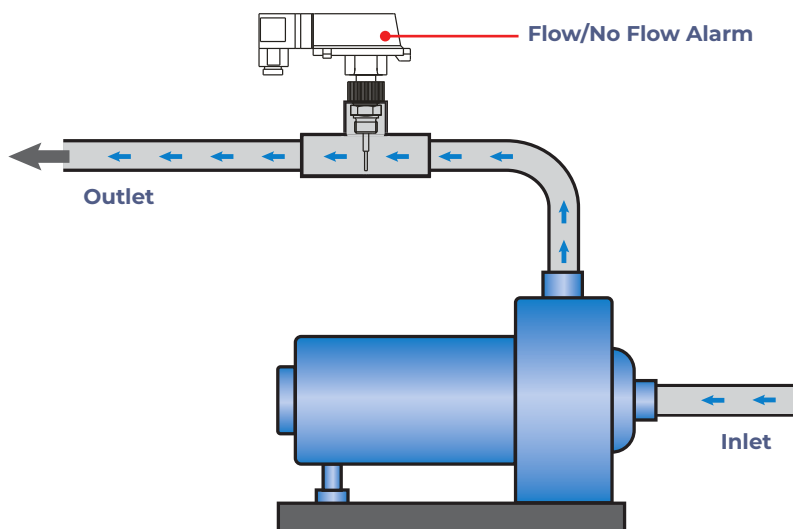
The FES switch encompasses a SPST contact that can be wired to energize a device when liquid flow either exceeds or drops below the set flow rate.

The FES Series is an excellent choice for corrosive liquid services, water treatment, waste treatment, liquid pumping and process control systems.

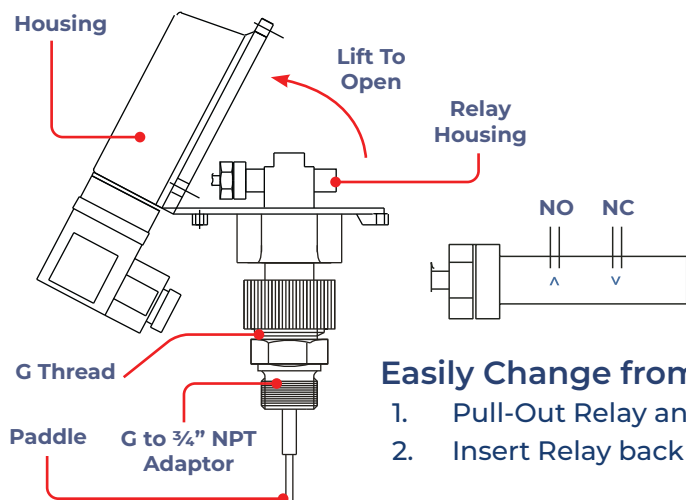
The FES Flow Switch can control devices such as pumps, motorized valves and alarm devices.

### Example

- ✓ Prevent Pumps from Running Dry
- ✓ Notification for Filter | Strainer Change-Out
- ✓ Output to Alarm | Shut Off Pump



### Simple Relay Switch | NO | NC



### Easily Change from NO to NC

1. Pull-Out Relay and Rotate 180°
2. Insert Relay back into Position



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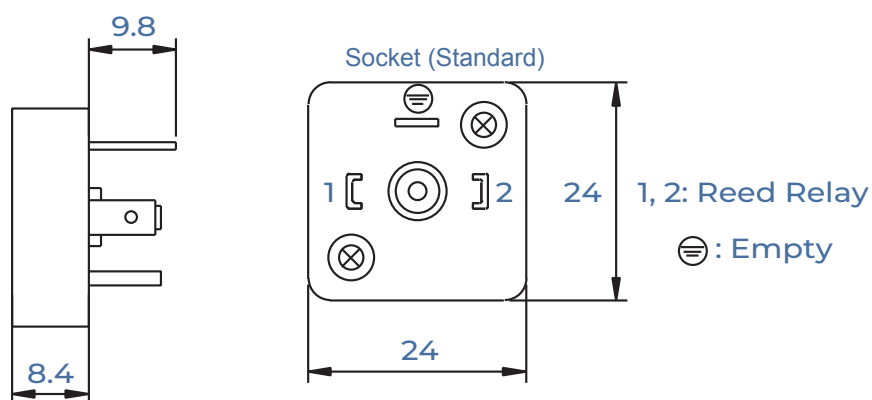
## Plastic Flow Switch



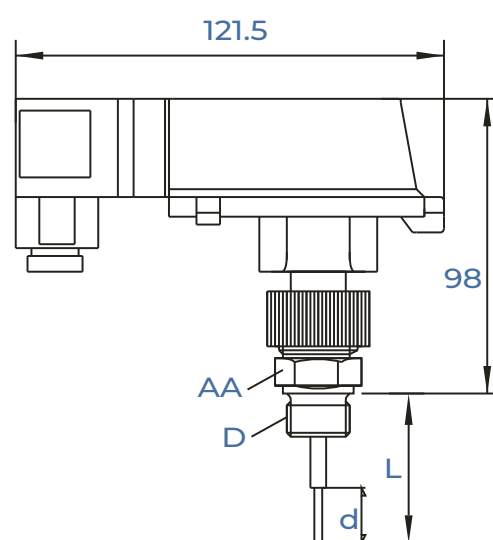
### Specifications

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Body Material                     | PP                                      |
| O-Ring                            | Viton                                   |
| Max. Working Temperature          | 190°F   88°C                            |
| Max. Working Pressure   Non-Shock | 145 psi   10 bar                        |
| Max. Contact Current              | 1.5A                                    |
| Max. Power Supply                 | 85 VDC   250 VAC                        |
| Relay                             | SPST Reed Switch   NO   NC   Adjustable |
| Protection Class                  | IP65   NEMA 4X                          |

### Electrical Connections



### Dimensions



### Model Selection

| Model     | Pipe Size | Connection Size D | Max. Flow m3/h, Water | Rising Flow Rate L/min, Water | Falling Flow Rate L/min, Water | AA1-AA (MM) | L (MM) | D (MM) |
|-----------|-----------|-------------------|-----------------------|-------------------------------|--------------------------------|-------------|--------|--------|
| FES-005-2 | ½- 2"     | ½" NPT            | 20                    | 1   2                         | 0.9   1.9                      | 27          | 52     | 20     |
| FES-005-3 | 3"        | ½" NPT            | 30                    | 3   6                         | 2.9   5.5                      | 27          | 60     | 30     |
| FES-005-4 | 4"        | ½" NPT            | 40                    | 4.8   8                       | 4.6   7.5                      | 27          | 70     | 40     |
| FES-005-6 | 6"        | ½" NPT            | 110                   | 8   11                        | 7.8   10                       | 27          | 80     | 50     |
| FES-005-8 | 8"        | ½" NPT            | 120                   | 18   24.2                     | 17.5   24                      | 27          | 90     | 60     |