

# Cable Float Switch Series FT-100 / FT-300



Series FT-100 / FT-300 Cable Float Switches are single point level sensors that switch ON or OFF at one level. They work well as alarm point indicators. The switch operating levels are easily adjustable, and the floats are designed for use in clean water and sewage applications.

## Features

- Highly chemical resistant
- Proven reliability in operation
- Not sensitive to rotation



# Series FT-100 / FT-300 Specifications



## Performance

- Switching Differential:
  - 1.5 in. above or below horizontal (FT-100)
  - 4 in. above or below horizontal (FT-300)
- Maximum Pressure: 13 psi (0.9 bar)
- Maximum Water Depth: 30 ft (9m)

## Connectivity

- Cable: 18 gauge, 2 conductor (NO/NC)  
18 gauge, 3 conductor (SPDT)

## Environmental

- Max. Liquid Temperature:  
140°F (60°C)

## Certification

- CSA General Purpose
- UL
- CPE (water resistant)

## Electrical

- Voltage:
  - FT-100: 125/250 VAC
  - FT-300: 5 VDC, 30 VDC, 125 VAC
- Current:
  - FT-100: 5 Amp (AC, Resistive)
  - FT-300: 100 - 0.160 mA (125 VAC, 30 VDC)  
1 mA (5 VDC)
- 50/60 Hz

## Physical

- Standard Cable Length: 6m (20 ft)
- Weight: 1 lb
- Housing: Polypropylene

# Common Model Configurations

| Model Number | Model Description                                                                     |
|--------------|---------------------------------------------------------------------------------------|
| FT-100A      | Normally Open Switch (High Alarm), $\pm 1.5''$ switching differential, 6 meter Cable  |
| FT-100B      | Normally Closed Switch (Low Alarm), $\pm 1.5''$ switching differential, 6 meter Cable |
| FT-100C      | SPDT Switch, $\pm 1.5''$ switching differential, 6 meter Cable                        |

## FT-100 Accessories

Please order separately, by part number.

| Description                                          | Part Number |
|------------------------------------------------------|-------------|
| FT-100-ACC11 - PVC coated cable weight 1.8 lbs (8Kg) | 122907-0127 |
| FG-100A - NO mercury switch                          | 122907-0031 |
| FG-100B - NC mercury switch                          | 122907-0032 |

# Common Model Configurations

| Model Number | Model Description                                                                   |
|--------------|-------------------------------------------------------------------------------------|
| FT-300A      | Normally Open Switch (High Alarm), $\pm 4''$ switching differential, 6 meter Cable  |
| FT-300B      | Normally Closed Switch (Low Alarm), $\pm 4''$ switching differential, 6 meter Cable |



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# Model Configuration Options



Model Number: FT - 100 -      -       
                                  A          B

## A. Model and Function

- ☐ **A**            (NO) Normally Open - High Alarm,  $\pm 1.5''$  switching differential
- ☐ **B**            (NC) Normally Closed - Low Alarm,  $\pm 1.5''$  switching differential
- ☐ **C**            (SPDT) Can be either NO or NC,  $\pm 1.5''$  switching differential

## B. Cable Length

- ☐ **(Null)**        6 m
- ☐                 Number represents cable length, in 5-ft increments

Model Number: FT - 300 -      -       
                                  A          B

## A. Model and Function

- ☐ **A**            (NO) Normally Open - High Alarm,  $\pm 4''$  switching differential
- ☐ **B**            (NC) Normally Closed - Low Alarm,  $\pm 4''$  switching differential

## B. Cable Length

- ☐ **(Null)**        6 m
- ☐                 Number represents cable length, in 5-ft increments