# F59 Series Sump Pump Switch Catalog Page

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LIT-1922325

## Description

The F59 Series Controls are designed to start an electric motor on liquid level rise and stop the motor on liquid level drop. The control cuts in when upper weight is submerged approximately halfway, and cuts out when lower weight is approximately half-exposed. Each switch includes 36 in. cable and two weights.

Refer to the *F59 Series Liquid Level Switch for Sump Operations Product Bulletin (LIT-125215)* for important product application information.

**Figure 1: F59 Series Action Diagram**

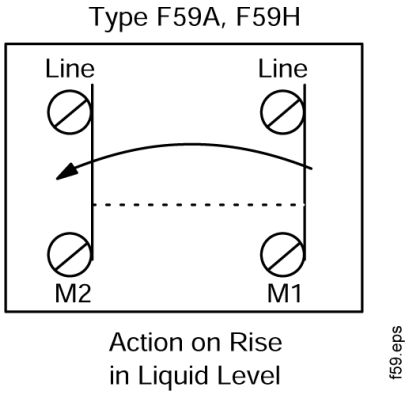



**Figure 2: F59H-1 Sump Pump Switch and F59A-2 Sump Pump Switch**



## Features

F59D-5 is equipped with a power cord and a piggyback style plug. The external prongs plug into the wall outlet, and the sump pump cord plugs into the internal end of the plug.

## Applications

Use for On/Off control of sump pumps.

## Selection charts

| Product Code Number | Contact Action | Mounting | Range Adjuster |
|---|---|---|---|
| F59A-1C | Double-Pole, Single-Throw (DPST) | External mounting bracket | Drop cord wiring |
| F59A-2C | DPST | External mounting – includes universal mounting bracket and 24 in. strap for quick, easy mounting on the motor, on the pedestal or on the discharge pipe. | Drop cord wiring |
| F59H-1C | DPST | External mounting bracket | Conduit wiring –7/8 in. conduit openings in case |

**Table 1: Replacement Parts**

| Product Code Number | Replacement Weight Kit for F59 Series |
|---|---|
| WGT11A-600R | Two Weights (Floats), 40 in. Plastic Cable, Weights with 3 in. Polyethylene Cable |
| WGT11A-604R | Two Weights (Floats), 36 in. Monel Wire, Two Float Support Plates, Weights with 3 in. Monel Cable |

## F59 Series Sump Pump Switch technical specifications

**Table 2: Electrical Ratings**

| Volts | Horsepower |
|---|---|
| **F59A-1** | |
| 120 VAC | 1 hp |
| 240 VAC | 1 hp |
| 32 VDC | 1/4 hp |
| **F59A-2** | |
| 120 VAC | 1 hp |
| 240 VAC | 1 hp |
| 32 VDC | 1/4 hp |
| **F59D-5** | |
| 120 VAC | 1/2 hp |
| **F59H-1** | |
| 120 VAC | 1 hp |
| 240 VAC | 1 hp |
| 32 VDC | 1/4 hp |

## Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

## Single point of contact

| APAC | Europe | NA/SA |
|---|---|---|
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