

Pump Switch Installation Instructions



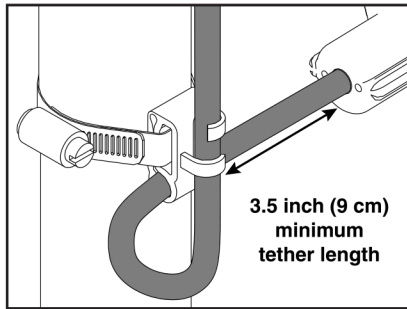
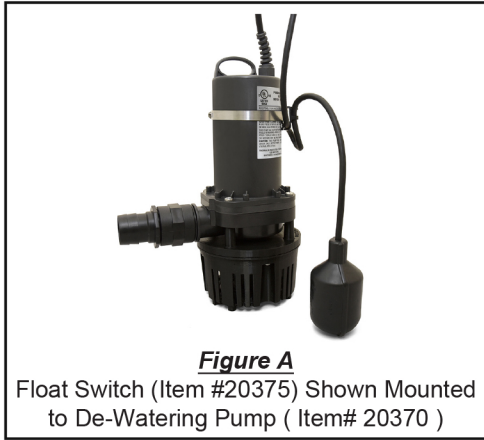
This mechanically-activated, wide-angle pump switch provides automatic control of pumps in:

- Water
- Sewage applications

This pump switch is not sensitive to rotation or turbulence allowing it to be used in both calm and turbulent applications.

FEATURES

- Mechanically-activated, snap action contacts.
- High impact, corrosion resistant, polypropylene float housing.
- Adjustable pump range of 20 to 91 cm (8 to 36 inches).



SPECIFICATIONS

CABLE:

125 VAC Piggy-back Plug: flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant, (CPE)

FLOAT: 7.0 cm diameter x 12.3 cm long (2.74 inch x 4.83 inch) high impact, corrosion resistant, polypropylene housing for use in water up to 140°F (60°C).

MAXIMUM WATER DEPTH: 9 meters (30 feet) or 90 kPa (13 psi).

ELECTRICAL:

125 VAC 50/60Hz Single Phase:

Maximum Pump Running Current: 10 amps

Maximum Pump Starting Current: 60 amps

Note: This switch is not recommended for controlling:

Electric loads less than 100 milliamps, 12 VAC

Non-arcing electric loads

Note: Switch must be used with pumps that provide integral thermal overload protection.

Note: All hose clamp components made of 18-8 Stainless Steel.

MOUNTING THE SWITCH

1. Determine the required cord tether length as shown in Table 1.
2. Secure the clamp to the Pump Housing as shown in Figure A.
3. Place the cord into the clamp as shown in Figure B.
Note: Do not install cord under hose clamp.
4. Tighten the hose clamp using screwdriver. Over tightening may result in damage to the plastic clamp. Make sure the float cable is not allowed to touch the excess hose clamp band during operation.
5. Check installation. Allow system to cycle to insure proper operation.

PIGGY-BACK PLUG INSTALL

- Electrical outlet voltage, piggyback plug voltage, and pump voltage must match.
1. Follow steps 1 through 4 of "Mounting The Switch."
 2. Insert switch's piggyback plug into outlet as shown in Figure A.
 3. Plug pump into piggyback plug as shown in Figure C.
 4. Check installation. Allow system to cycle to insure proper operation.

Determining Pumping Range In Inches (1 inch = 2.5 cm)

tether length	3.5	6	9	12	15	18	22
pumping range	8	11	15	21	28	31	36

Use only as a guide. Pumping ranges are based on testing in non-turbulent conditions. Range may vary due to water temperature and cord shape. **Note:** As the tether length increases, so does the variance of the pumping range.

Table 1

⚠ WARNING



ELECTRICAL SHOCK HAZARD

Disconnect power before installing or servicing this product. A qualified service person must install and service this product according to applicable electrical and plumbing codes.

⚠ WARNING



EXPLOSION OR FIRE HAZARD

Do not use this product with flammable liquids. Do not install in hazardous locations as defined by National Electrical Code, ANSI/NFPA 70.

Failure to follow these precautions could result in serious injury or death. Replace product immediately if switch cable becomes damaged or severed. Keep these instructions with warranty after installation. This product must be installed in accordance with National Electric Code, ANSI/NFPA 70 so as to prevent moisture from entering or accumulating within boxes, conduit bodies, fittings, float housing, or cable.