EZconnex® 3-Port Float Connection System

Manifold/float switch connection system designed for easy installation of float switches in a wet well for level control applications.

The EZconnex® Float Switch Connection System includes an electrical wiring manifold with mounting bracket and hardware. The manifold features three quick release float switch connection ports. A single 6 conductor direct burial cable has Red-Blue-Yellow wire pairs that match the R-B-Y imprint on the manifold housing for easy field wiring. The system is rated for short term water submersion. The mounting bracket is designed to allow quick access to the manifold and float switches for easy maintenance.

EZconnex® float switches feature an internal switching mechanism with sealed gold cross-point contacts for reliable low current operation. A range of wide-angle or narrow-angle float switches feature a quick release connection that simply plugs into the manifold port(s) for easy installation.

The EZconnex® system can be used with 1, 2, or 3 float switches. Each float switch includes a protective rubber boot that provides a dual seal design for an extra layer of protection to keep connections clean and dry. Sealing plugs are available for unused manifold port(s). **NOTE:** Do not install manifold with open port(s).

**FEATURES**

- (3) Quick release float connection ports.
- A single 6 conductor direct burial cable with shield.
- Housing is imprinted with R-B-Y that matches Red-Blue-Yellow cable wire pairs for easy float identification.
- Rated for short term water submersion.
- Includes mounting bracket with hardware.
- Designed for use with EZconnex® float switches (not included with manifold; float switches must be ordered separately):
  - Low current applications down to 0.160 mA at 125V.
  - Mechanically-activated, snap action contacts.
  - Quick release float connection simply plugs into manifold port(s).
  - Colored caps for easy identification of Normally Open (blue cap) or Normally Closed (red cap) models.
  - Activation angle above/below horizontal:
    - 4" (10.16 cm) wide-angle; 1.5" (3.81 cm) narrow-angle
  - Each float switch includes a protective rubber boot that provides a dual seal design for an extra layer of protection to keep connections clean and dry.
- CSA Certified.
- Five-year limited warranty.

**OPTIONS**

**Manifold Options:**
- Standard cable lengths of 25, 50, or 100 ft (7.62, 15.24, or 30.48 m).
- Sealing plug (includes rubber boot) required for unused port(s).

**Float Switch Options:**
- Standard cable lengths of 5, 10, or 20 ft (1.52, 3.05, or 6.10 m).
- Blue cap for normally open (high level) applications or red cap for normally closed (low level) applications. Narrow or wide-angle pumping ranges available.
- SJE MegaMaster™ float for high turbulence applications.
- Two float mounting configurations available:
  - **Mounting Clamp:** for applications where the switch can be attached to a float tree or similar mounting device.
  - **Cable Weight:** includes clip-on cable weight; floats should be hung from a hanger bracket (ordered separately)
- **NOTE:** do not suspend floats directly from manifold.

**SPECIFICATIONS**

**MANIFOLD SPECIFICATIONS:**
- **CABLE:** direct burial shielded PVC Type TC-ER TFFN (UL) 600V 18 gauge, 6 conductor
- **HOUSING:** ABS plastic
- **ELECTRICAL:**
  - 125 VAC
    - Maximum Electrical Load:
      - 1 amp per connection port
  - 30 VDC
    - Maximum Electrical Load:
      - 1 amp
      - Minimum Electrical Load:
        - 0.160 milliamps
  - 5 VDC
    - Minimum Electrical Load:
      - 1 milliamp

**FLOAT SPECIFICATIONS:**
- **CABLE:** flexible 18 gauge, 2 conductor (UL, CSA) SJOW, water-resistant (CPE)
- **FLOAT:** 2.74 inch diameter x 4.83 inch long (7.0 cm x 12.3 cm), high-impact, corrosion resistant, polypropylene housing for use in sewage and water up to 140° F (60° C)
- **MAXIMUM WATER DEPTH:** 30 feet (9 meters), 13 PSI (90kPa)
- **ELECTRICAL:**
  - 125 VAC
    - Maximum Electrical Load:
      - 1 amp
    - Minimum Electrical Load:
      - 0.160 milliamps
  - 30 VDC
    - Maximum Electrical Load:
      - 1 amp
    - Minimum Electrical Load:
      - 0.160 milliamps
  - 5 VDC
    - Minimum Electrical Load:
      - 1 milliamp

**NOTE:** do not install manifold with open port(s).
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ORDERING INFORMATION

### EZconnex® 3-Port Manifold

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>List Price</th>
<th>Shipping Weight</th>
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</thead>
<tbody>
<tr>
<td>1047612</td>
<td>EZconnex®, 3-Port, 25FT, with mounting bracket</td>
<td>$148.73</td>
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<td>EZconnex®, 3-Port, 50FT, with mounting bracket</td>
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<td>EZconnex®, 3-Port, 100FT, with mounting bracket</td>
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### EZconnex® Float Switch Narrow-Angled Versions

#### Normally Open

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<tr>
<td>1046922</td>
<td>5MAPNPCNOEZ</td>
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<td>1046924</td>
<td>10MAPNPCNOEZ</td>
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<td>1.14 lbs.</td>
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<td>1050721</td>
<td>20MAPNPCNOEZ</td>
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<td>1.79 lbs.</td>
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#### Normally Closed

<table>
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<td>1054145</td>
<td>10MAPNCWNCEZ</td>
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<td>3.09 lbs.</td>
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### EZconnex® Float Switch Wide-Angled Versions

#### Normally Open

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<td>1050841</td>
<td>20MAPWPCNOEZ</td>
<td>$60.26</td>
<td>1.79 lbs.</td>
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#### Normally Closed

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<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
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### EZconnex® MegaMaster™ Float Switch

#### Normally Open

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<td>1059058</td>
<td>25MEGANOEZ</td>
<td>$91.67</td>
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<tr>
<td>1059060</td>
<td>50MEGANOEZ</td>
<td>$111.24</td>
<td>5.1 lbs.</td>
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#### Normally Closed

<table>
<thead>
<tr>
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</thead>
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</tr>
<tr>
<td>1059059</td>
<td>25MEGANCEZ</td>
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</tr>
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<td>1059061</td>
<td>50MEGANCEZ</td>
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<td>5.1 lbs.</td>
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### OPTIONS

#### PACKAGING
- Manifold: Boxed - standard
- Float Switches: Bagged - standard

#### OTHER INFORMATION

**NORMALLY OPEN (HIGH LEVEL) OPERATION**

Blue colored cap, the control switch turns on (closes) when the switch tips above horizontal signaling a high level, and turns off (opens) when the switch drops below horizontal.

**NORMALLY CLOSED (LOW LEVEL) OPERATION**

Red colored cap, the control switch turns on (closes) when the switch drops below horizontal signaling a low level, and turns off (opens) when the switch tips above horizontal.

### OPTIONS

<table>
<thead>
<tr>
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<td>1047611</td>
<td>Sealing plug (includes rubber boot)</td>
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<td>1052814</td>
<td>6 hook bracket</td>
<td>$69.89</td>
<td>2.0 lbs.</td>
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*One sealing plug must be ordered for each unused port. Do not install manifold with open port(s).

**NOTE:** Descriptions are by cable length measured in feet.