

EZconnex™ Float Switch Connection System

Manifold/float 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 with open port(s).



Patent Pending

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.
- With narrow or wide-angle pumping ranges.
- Comes standard with:

Mounting Clamp: for applications where the switch can be attached to a discharge pipe or similar mounting device.

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

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

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SEE BACKSIDE FOR ORDERING INFORMATION.
SEE PRICE BOOK FOR LIST PRICE.

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ORDERING INFORMATION

EZconnex™ Manifold

Part #	Description	Shipping Weight
1047612	EZconnex™, 25FT, with mounting bracket	3.33 lbs.
1047613	EZconnex™, 50FT, with mounting bracket	5.22 lbs.
1050843	EZconnex™, 100FT, with mounting bracket	9.28 lbs.

OPTIONS

PACKAGING

Manifold:
Boxed - standard

Float Switches:
Bagged - standard



EZconnex™ Float Switch

Normally Open

Normally Closed

Part #	Description	Part #	Description	Shipping Weight
1046922	5MAPNPCNOEZ	1046923	5MAPNPCNCEZ	0.86 lbs.
1046918	5MAPWPCNOEZ	1046919	5MAPWPCNCEZ	0.86 lbs.
1046924	10MAPNPCNOEZ	1046925	10MAPNPCNCEZ	1.14 lbs.
1046920	10MAPWPCNOEZ	1046921	10MAPWPCNCEZ	1.14 lbs.
1050721	20MAPNPCNOEZ	1050840	20MAPNPCNCEZ	1.79 lbs.
1050841	20MAPWPCNOEZ	1050842	20MAPWPCNCEZ	1.79 lbs.

OPTIONS

Part #	Description	Shipping Weight
1047611*	Sealing plug (includes rubber boot)	0.16 lbs.

N = Narrow Angle W = Wide Angle PC = Pipe Clamp NO = Normally Open NC = Normally Closed
EZ = EZconnex™

*One sealing plug must be ordered for each unused port. Do not install with open port(s).

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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

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

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.



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