

# EZconnex® 4-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. The manifold features four quick release float switch connection ports. A single 8 conductor direct burial cable has Red-Blue-Yellow-White wire pairs that match the R-B-Y-W colored caps 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, 3, or 4 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).



**US Pat. 9,559,455  
and 9,583,867.  
Foreign Patents Pending.**

## FEATURES

- (4) Quick release float connection ports.
- A single 8 conductor direct burial cable with shield.
- Housing colored caps match Red-Blue-Yellow-White cable wire pairs for easy float identification.
- Rated for short term water submersion.
- Includes mounting bracket.
- 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.
- 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.

**SEE REVERSE SIDE FOR ORDERING INFORMATION.  
SEE PRICE BOOK FOR LIST PRICE.**

## SPECIFICATIONS

### MANIFOLD SPECIFICATIONS:

**CABLE:** direct burial shielded PVC Type TC-ER TFFN (UL) 600V 18 gauge, 8 conductor, shielded

**HOUSING:** ABS plastic

**ELECTRICAL:**

**125 VAC**

**Maximum Electrical Load:**

1 amp per connection port

**MOUNTING BRACKET SPECIFICATIONS:**

**BRACKET:** 304 stainless steel

**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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## ORDERING INFORMATION

### EZconnex® 4-Port Manifold

Part #	Description	Shipping Weight
1053987	EZconnex®, 4-Port, 25FT, with mounting bracket	4.57 lbs.
1053988	EZconnex®, 4-Port, 50FT, with mounting bracket	7.04 lbs.
1053989	EZconnex®, 4-Port, 100FT, with mounting bracket	11.98 lbs.

### EZconnex® Float Switch Narrow-Angled Versions

Normally Open		Normally Closed		Shipping Weight
Part #	Description	Part #	Description	
1046922	5MAPNPCNOEZ	1046923	5MAPNPCNCEZ	0.86 lbs.
1046924	10MAPNPCNOEZ	1046925	10MAPNPCNCEZ	1.14 lbs.
1050721	20MAPNPCNOEZ	1050840	20MAPNPCNCEZ	1.79 lbs.
1054141	5MAPNCWNOEZ	1054142	5MAPNCWNCEZ	2.16 lbs.
1054145	10MAPNCWNOEZ	1054146	10MAPNCWNCEZ	2.44 lbs.
1054150	20MAPNCWNOEZ	1054151	20MAPNCWNCEZ	3.09 lbs.

### EZconnex® Float Switch Wide-Angled Versions

Normally Open		Normally Closed		Shipping Weight
Part #	Description	Part #	Description	
1046918	5MAPWPCNOEZ	1046919	5MAPWPCNCEZ	0.86 lbs.
1046920	10MAPWPCNOEZ	1046921	10MAPWPCNCEZ	1.14 lbs.
1050841	20MAPWPCNOEZ	1050842	20MAPWPCNCEZ	1.79 lbs.
1054143	5MAPWCWNOEZ	1054144	5MAPWCWNCEZ	2.16 lbs.
1054147	10MAPWCWNOEZ	1054148	10MAPWCWNCEZ	2.44 lbs.
1054152	20MAPWCWNOEZ	1054153	20MAPWCWNCEZ	3.09 lbs.

## OPTIONS

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

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

## SPECIFICATIONS

### MANIFOLD SPECIFICATIONS:

**CABLE:** direct burial shielded PVC Type TC-ER TFFN (UL) 600V 18 gauge, 8 conductor, shielded

**HOUSING:** ABS plastic

**ELECTRICAL:** 125 VAC Maximum Electrical Load: 1 amp per connection port

### MOUNTING BRACKET SPECIFICATIONS:

**BRACKET:** 304 stainless steel

### 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 mA

**30 VDC Maximum Electrical Load:** 1 amp, **Minimum Electrical Load:** 0.160 mA

**5 VDC Minimum Electrical Load:** 1 mA

## 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.

**N** = Narrow Angle

**W** = Wide Angle

**PC** = Pipe Clamp

**CW** = Cable Weight

**NO** = Normally Open

**NC** = Normally Closed

**EZ** = EZconnex®



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