



SJE RHOMBUS EZCONNEX 4-Port Float Connection System Instructions

[Home](#) » [SJE RHOMBUS](#) » SJE RHOMBUS EZCONNEX 4-Port Float Connection System Instructions 

Contents

- [1 SJE RHOMBUS EZCONNEX 4-Port Float Connection System](#)
- [2 Product Information](#)
- [3 FEATURES](#)
- [4 OPTIONS](#)
- [5 Product Usage Instructions](#)
- [6 EZCONNEX® 4-PORT FLOAT SWITCH CONNECTION SYSTEM](#)
- [7 SPECIFICATIONS](#)
- [8 OTHER INFORMATION](#)
- [9 Documents / Resources](#)
 - [9.1 References](#)



SJE RHOMBUS EZCONNEX 4-Port Float Connection System



Product Information

The product is designed for easy installation of float switches in wet well applications. It includes a single 8-conductor direct burial cable with Red-Blue-Yellow-White wire pairs that match the R-B-Y-W colored caps on the manifold housing for easy identification and field wiring. The color-coded cable allows for quick and easy installation. The product also features quick-release float switch connections and a mounting bracket for easy maintenance and replacement of floats.

FEATURES

- (4) Quick-release float connection ports for easy maintenance in the wet well
- A single 8-conductor direct burial cable with colored wire pairs for easy and clean field wiring of the control panel
- Manifold housing includes Red-Blue-Yellow-White colored caps that match Red-Blue-Yellow-White wire pairs in manifold cable for easy identification and field wiring
- Can be used with 1-4 float switches; sealing plug(s) available for unused manifold port(s)
- Rated for short-term water submersion in water
- Includes mounting bracket; float switches and sealing plugs must be ordered separately

OPTIONS

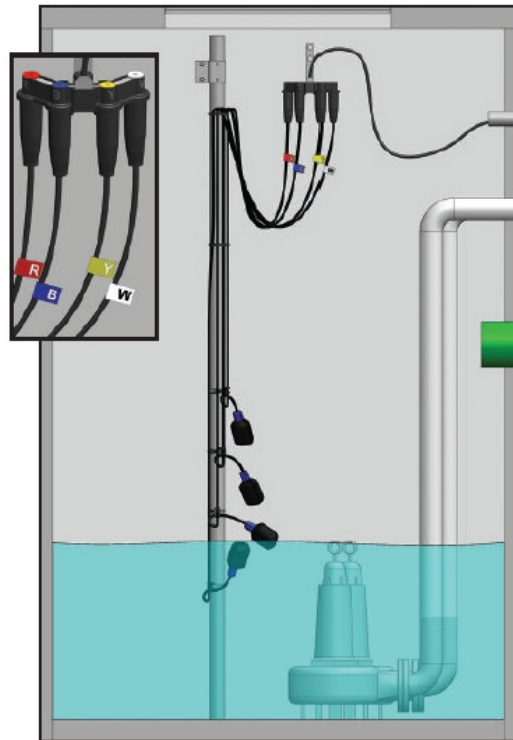
The manifold options include

- 4-Port Manifold

The float switch options include:

- NORMALLY OPEN (HIGH-LEVEL) float switches
- NORMALLY CLOSED (LOW LEVEL) float switches

The product is patented in the US (Patent No. 9,559,455 and 9,583,867), Canada (Patent No. 2,891,806), and China (Patent No. 105322354). The product is made of ABS plastic and has a shipping weight ranging from 4.57 lbs. to 11.98 lbs.



The cable specifications are as follows

- Type: direct burial shielded PVC Type TC-ER TFFN (UL)
- Voltage: 600V
- Gauge: 18
- Conductors: 8

The electrical specifications are as follows

- Maximum Electrical Load: 1 amp per connection port
- Operating Voltage: 125 VAC

The mounting bracket is made of 304 stainless steel.

Product Usage Instructions

1. Ensure that the manifold does not have any open port(s) before installation
2. Identify the Red-Blue-Yellow-White wire pairs on the 8-conductor direct burial cable.
3. Match the wire pairs with the corresponding R-B-Y-W colored caps on the manifold housing for easy identification and field wiring.
4. Use the quick-release float switch connections to connect the floats to the manifold.
5. Attach the mounting bracket for easy maintenance and replacement of floats.

NOTE: If there are any unused ports, order a sealing plug for each unused port and install it to prevent any issues.

6. Follow the instructions for NORMALLY OPEN (HIGH LEVEL) or NORMALLY CLOSED (LOW LEVEL)

operation:

- **NORMALLY OPEN (HIGH-LEVEL) OPERATION:**
 - Use the float switch with the blue colored cap.
 - The control switch turns on (closes) when the switch tips above the horizontal, indicating a high level.
 - The control switch turns off (opens) when the switch drops below horizontal.
- **NORMALLY CLOSED (LOW-LEVEL) OPERATION:**
 - Use the float switch with the red-colored cap.
 - The control switch turns on (closes) when the switch drops below horizontal, indicating a low level.
 - The control switch turns off (opens) when the switch tips above the horizontal.

EZCONNEX® 4-PORT FLOAT SWITCH CONNECTION SYSTEM

Manifold/float connection system designed for easy installation of 1-4 float switches in a wet well for level control applications.

Part #	Description (4-Port Manifold)			Shipping Weight
1053987	EZconnex®, 4-Port, 25 ft., with Mounting Bracket			4.57 lbs.
1053988	EZconnex®, 4-Port, 50 ft., with Mounting Bracket			7.04 lbs.
1053989	EZconnex®, 4-Port, 100 ft., with Mounting Bracket			11.98 lbs.
Part #	EZ CONNEX® FLOAT SWITCH NARROW-ANGLED VERSIONS			
	NORMALLY OPEN CLOSED		NORMALLY CLOSED	Shipping Weight
	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.
Part #	EZ CONNEX® FLOAT SWITCH WIDE-ANGLED VERSIONS			
	NORMALLY OPEN CLOSED		NORMALLY CLOSED	Shipping Weight
	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.
Part #	EZ CONNEX® MEGAMASTER® FLOAT SWITCH			
	NORMALLY OPEN CLOSED		NORMALLY CLOSED	Shipping Weight
	Description	Part #	Description	
1059056	10MEGANOEZ	1059057	10MEGANCEZ	2.6 lbs.
1059058	25MEGANOEZ	1059059	25MEGANCEZ	3.6 lbs.
1059060	50MEGANOEZ	1059061	50MEGANCEZ	5.1 lbs.
Options Part #	Description			Shipping Weight
1047611	Sealing Plug (includes Rubber Boot)			0.16 lbs.
1052814	6 Hook Bracket			2.0 lbs.

N = Narrow-Angle W = Wide Angle PC = Pipe Clamp CW = Cable Weight NO = Normally Open NC = Normally Closed EZ = EZconnex® NOTE: 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
- HOUSING: ABS plastic
- ELECTRICAL: 125 VAC
- Maximum Electrical Load: 1 amp per connection port

FLOAT SPECIFICATIONS

- EZconnex® SJE MilliAmpMaster™ Float switches: these are SJE MilliAmpMaster™ control switches that feature the quick release connection. Please see the SJE MilliAmpMaster™ control switch section in this catalog for complete specifications.
- EZconnex® SJE MegaMaster® Float switches: these are SJE MegaMaster® control switches that feature the quick release connection. Please see the SJE MegaMaster™ control switch section in this catalog for complete specifications.

MOUNTING BRACKET SPECIFICATIONS

- BRACKET 3T: 04 stainless steel

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.

www.sjerhombus.com

email: customer.service@sjeinc.com

Documents / Resources

	<p>SJE RHOMBUS EZCONNEX 4-Port Float Connection System [pdf] Instructions 1053987, 1053988, 1053989, 1046922, 1046924, 1050721, 1054141, 1054145, 1054150, 1046918, 1046920, 1050841, 1054143, 1054147, 1054152, 1059056, 1059058, 1059060, 1047611, 1052814, EZCONNEX 4-Port Float Connection System, 4-Port Float Connection System, Float Connection System, Connection System</p>
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References

- [🔗 Home - SJE Rhombus Control Products](#)

Manuals+