

Maintenance & Operating Instructions

For

Dixon Bayco

Trailer Mounted Individual Sockets

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The Right Connection®

dixonvalve.com

PRODUCT DESCRIPTIONS:

These instructions cover the following FloTech products:

FT300 / FT310 API Compatible Optic Socket (6 pin 3 J-Slot)

FT301 / FT311 API Compatible Thermistor Socket (US 8pin 4 J-Slot)

FT302 / FT312 API Compatible Float Socket (7 pin J560 type)

FT303 / FT313 Optic Contact Pattern with Thermistor J Slot (6 pin 4 J-Slot)

FT304 / FT314 Canadian / Euro Thermistor Socket (10 pin 4 J-Slot)

FT305 / FT315 Old Style Thermistor (7 pin J560 type)

FT306 / FT316 Optic Western Canada (7 pin J560 type)

FT307 / FT317 Optic / Thermistor Canada (6 pin 4 J-Slot)

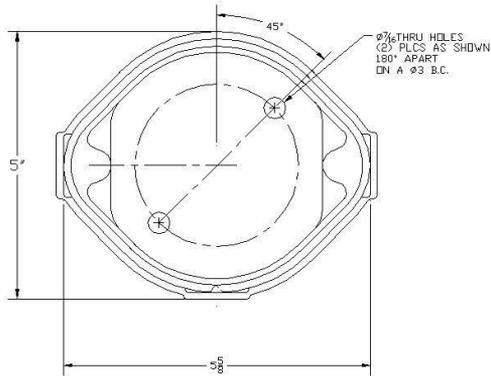
FloTech sockets are mechanically and functionally compatible with API 1004 Cargo Tank Bottom Loading Recommended Practice.

Socket faceplate and contact components are interchangeable with Scully and Civacon socket bodies. Civacon is the registered trademark of Civacon / Dover Corporation.

INSTALLATION

Sockets are to be mounted on the same side of the trailer as the bottom loading equipment. Sockets are normally located within 3 feet of the bottom loading adapters so the rack plug and cord will reach the socket without over stretching the cord. Remove the socket faceplate and hardware packet and set aside. Use the socket body as a template to drill two 11/32" holes as shown in Diagram 1. Mount the socket body to the trailer using two 5/16" bolt and lock washers. Make sure the grounding wire, large eyelet end is fastened under one of the 5/16" bolts.

DIAGRAM 1



WIRING INSTRUCTIONS

When wiring the sockets to an onboard monitor it is highly recommended using FloTech FT401 jacketed 5-conductor cable when wiring a new system. FloTech cable is designed to be oil, UV, and abrasion resistant. We incorporate a noble tin plated stranded copper wire which resists corrosion. These features will provide years of reliable service.

After all sensors are mounted in each compartment, align the conduit openings so they face the roll over rail. Thread in cable glands and pull a length of cable through the conduit openings between each sensor. Cut to length leaving approximately 8" extra length exiting the top of each probe holder.

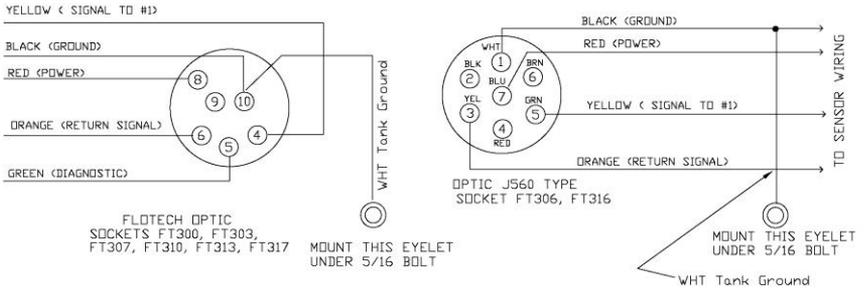
All socket cables must enter or leave through one of the 1/2 NPT openings. Use FloTech FT402 1/2" NPT cable glands to ensure a water tight seal. Unused conduit openings must have a 1/2 NPT pipe plug installed. Use pipe dope on all 1/2" NPT threads to ensure a water tight seal.

Wire the sockets according to diagram 2 below. Double check your wiring connection when complete. NOTE: It is highly recommended to use a small amount of Silicone RTV sealant in each crimp connection. Fill the FloTech butt end crimps with Silicone RTV sealant prior to inserting the wires then crimp. This will provide a watertight and vibration resistant connection.

When wiring is complete, replace each sensor cap and o-ring. CAUTION: Do not pinch a sensor wire when installing the cap.

DIAGRAM 2

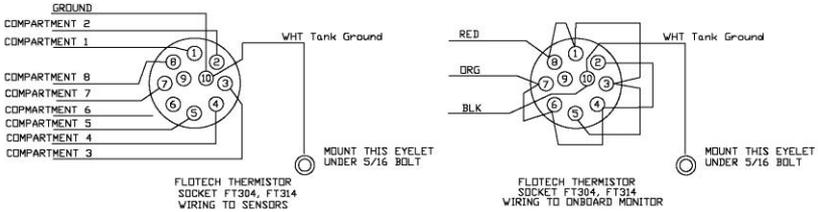
FLOTECH OPTIC SOCKETS



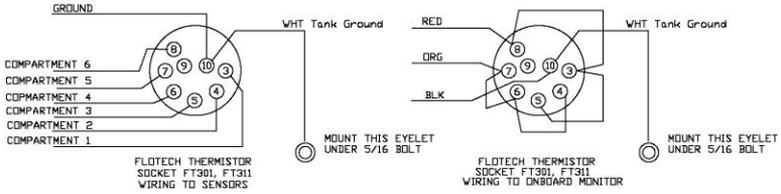
VIEWED FROM WIRE CONNECTION SIDE

DIAGRAM 2 (CONTINUED)

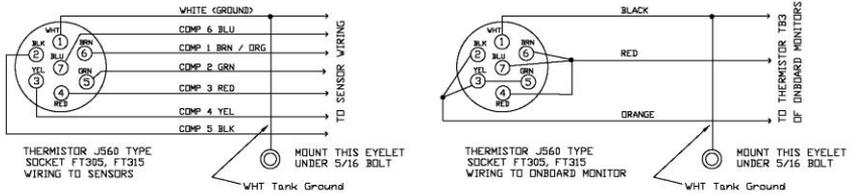
FLOTECH THERMISTOR SOCKETS



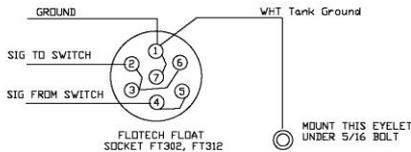
VIEWED FROM WIRE CONNECTION SIDE



VIEWED FROM WIRE CONNECTION SIDE



FLOTECH FLOAT SOCKET



VIEWED FROM WIRE CONNECTION SIDE

Dixon Bayco Warranty

For complete warranty information, please refer to the latest
Dixon catalog.