

MUNI™ FLOAT

INSTALLATION INSTRUCTIONS

⚠ WARNING



ELECTRICAL SHOCK HAZARD

Disconnect power before installing or servicing this product. A qualified service person must install and service this product according to applicable electrical and plumbing codes.

⚠ WARNING



EXPLOSION OR FIRE HAZARD

Do not use this product with flammable liquids. Do not install in hazardous locations as defined by National Electrical Code, ANSI/NFPA 70.

Failure to follow these precautions could result in serious injury or death. Replace product immediately if switch cable becomes damaged or severed. Keep these instructions with warranty after installation. This product must be installed in accordance with National Electric Code, ANSI/NFPA 70 so as to prevent moisture from entering or accumulating within boxes, conduit bodies, fittings, float housing, or cable.

MUNI™ FLOAT

- Mechanically Activated (Mercury Free)
- Polypropylene Material for use in wastewater applications
- 18 AWG, 3 conductor, SJOW cable
- SPDT contacts (3-wire)
- Maximum Temperature Rating: 140 F (60 C)

SUSPENSION MOUNTING

MUNI™ FLOAT is an internally weighted float switch that is intended to be suspended in the tank from a float bracket or similar device.

- Determine float switch cord length to hang into tank to achieve proper activation level.
- Suspend float 11 inches below desired activation level as shown in Figure A.
- Install float switch to float bracket using strain relief connectors as shown in Figure B & C. (Float bracket with strain relief connectors sold separately).

TETHER MOUNTING

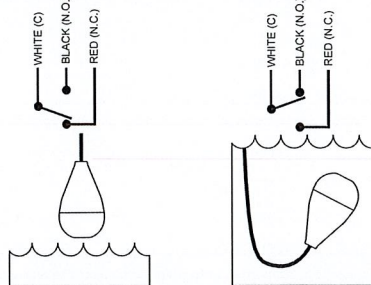
Float may be tethered to a pipe, cable/chain and anchor system, or other suitable tether point. If tether mounting is used, assure that the following conditions are met.

- Minimum 12 inch tether length
- Floats must have clearance to operate without interference with tank walls, other floats, pumps, or other obstacles.

ELECTRICAL CONNECTION

- For PUMP DOWN operation connect WHITE (C) and BLACK (NO).
- For PUMP UP operation connect WHITE (C) and RED (NC).
- Insulate the unused RED or BLACK wire with a wire nut.
- Check to ensure proper operation after connection.

Rating:
1A, 125 VAC MAX
1mA, 4 VDC MIN



⚠ WARNING



In 230 VAC installations, one side of the line going to the load is always **HOT**. This condition exists if the switch is on or off. Install double pole disconnect on all 230 VAC circuits.

Ensure cable connections are performed in a dry junction box or other watertight seal that seals both conductors and cable jacket. Failure to do so could result in electrical shock hazard and/or water traveling down cable and entering the switch. Failure to guard against this may affect switch performance.

FIGURE A

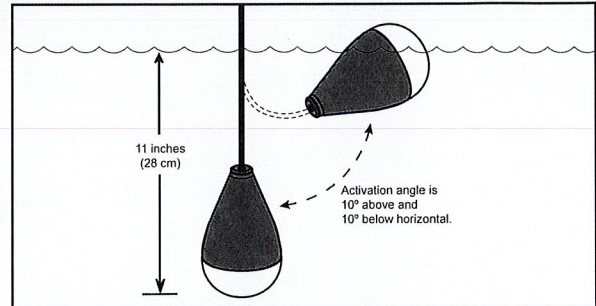


FIGURE B

(shown with optional float bracket)

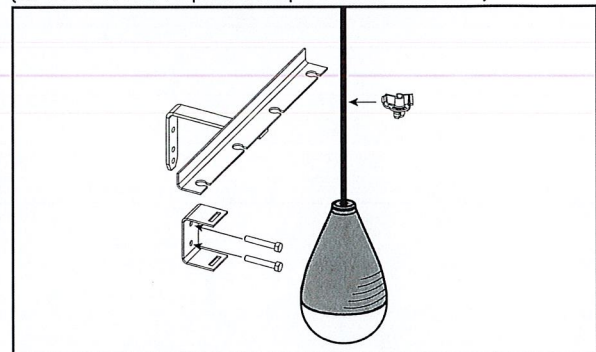
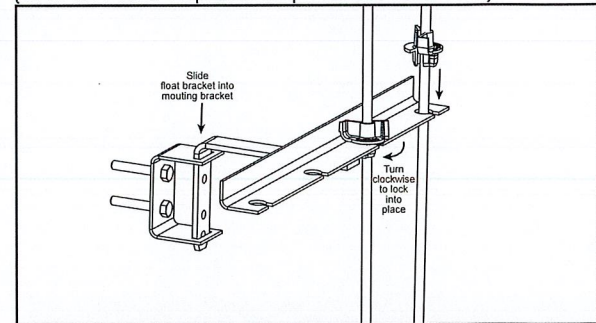


FIGURE C

(shown with optional float bracket)



WARNINGS

- Do NOT mount floats in direct line of incoming liquid.
- Keep floats clear of pumps, pipes, pump cables, and tank walls.
- Keep floats clear of turbulent areas
- Ensure that floats cannot reach pump suction.
- Do NOT run pump and float cables in same conduit.

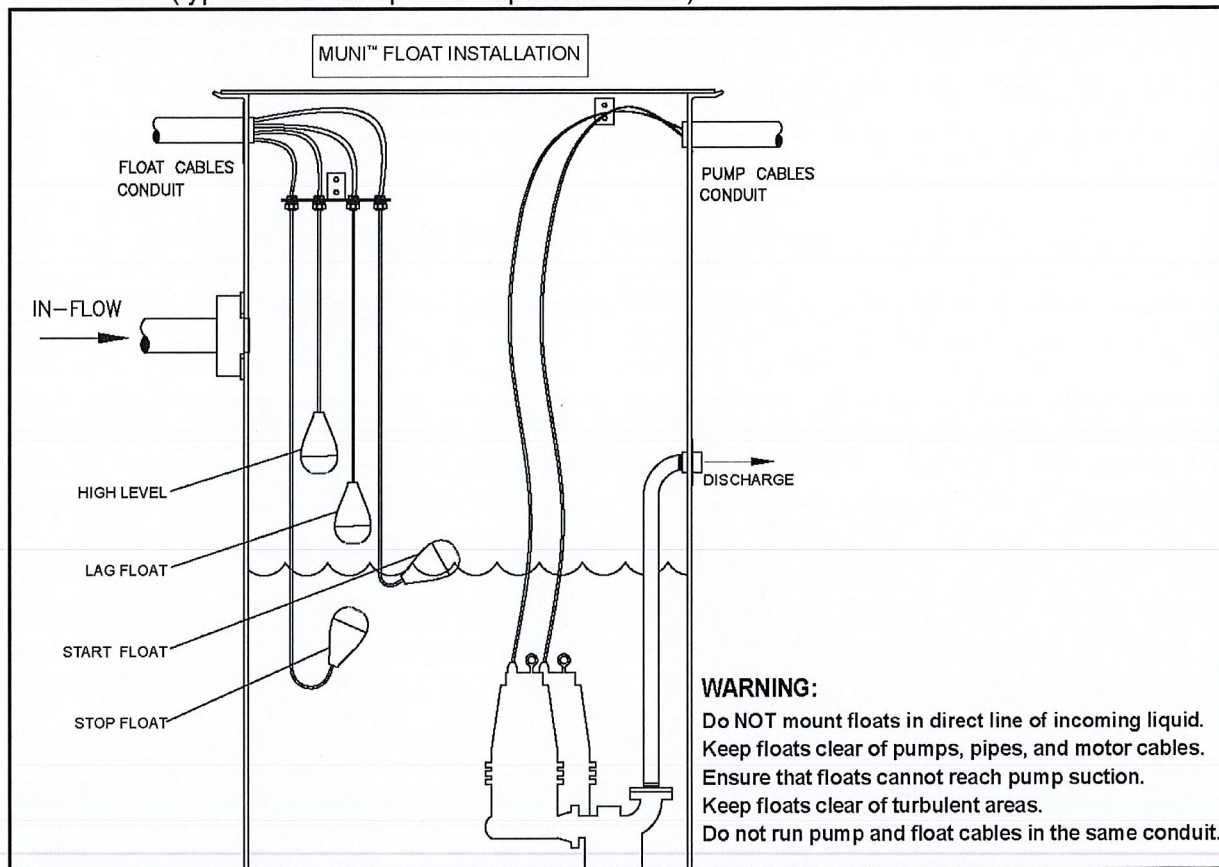


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FIGURE E (typical float set up for a duplex lift station)



PRIMEX® TWO-YEAR LIMITED WARRANTY

PRIMEX® warrants to the original consumer that this product shall be free of manufacturing defects for two years after the date of consumer purchase. During that time period and subject to the conditions set forth below, PRIMEX® will repair or replace, for the original consumer, any component which proves to be defective due to defective materials or workmanship of PRIMEX®.

ELECTRICAL WIRING AND SERVICING OF THIS PRODUCT MUST BE PERFORMED BY A LICENSED ELECTRICIAN.

THIS WARRANTY DOES NOT APPLY: (A) to damage due to lightning or conditions beyond the control of PRIMEX®; (B) to defects or malfunctions resulting from failure to properly install, operate or maintain the unit in accordance with printed instructions provided; (C) to failures resulting from abuse, misuse, accident, or negligence; (D) to units which are not installed in accordance with applicable local codes, ordinances, or accepted trade practices, and (E) to units repaired and/or modified without prior authorization from PRIMEX®.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

TO OBTAIN WARRANTY SERVICE: The consumer shall assume all responsibility and expense for removal, reinstallation, and freight. Any item to be repaired or replaced under this warranty must be returned to PRIMEX®, or such place as designated by PRIMEX®.

ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS ARE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. PRIMEX® SHALL NOT, IN ANY MANNER, BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES AS A RESULT OF A BREACH OF THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY.

PREVENTATIVE MAINTENANCE

- Periodically inspect the product. Check that the cable has not become worn or that the housing has not been damaged so as to impair the protection of the product. Replace the product immediately if any damage is found or suspected.
- Periodically check to see that the float is free to move and operate the switch.
- Use only PRIMEX® replacement parts.



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