

### SIM1 Simplex Control Panel

The SIM1 simplex control panels will control a pump in sewage, wastewater, and dewatering applications. All panels are UL Listed for the United States and Canada and come with a five-year warranty.

Model	FLA Range
SIM1-1	(0.0-7.0 FLA)
SIM1-2	(7.0-15.0 FLA)
SIM1-3	(15.0-22.0 FLA)

### Enclosure Mounting: TYPE 4X RATED

**Mounting Brackets** - A mounting bracket and screw pack are provided with the premium enclosures. To assemble, turn the enclosure upside down on a flat surface, place the mounting bracket over the square boss either horizontally or vertically, and fasten the mounting bracket with the 1/4"-20 x 0.5 SS, countersunk phillips drive screws or vertically, with the mounting brackets in any config., using any acceptable fastening technique.

**Covers/Doors** - Covers/doors have a gasket pre-assembled to seal against the base.

**Note:** The control panel should not be mounted in a location that may be subject to submersion.

### Panel Installation:

1. Caution: To maintain the Type 4X rating, make all wiring connections with seal tight cable grips or conduit connections.
2. Run pump cables and floats cables through conduit. Make field connections as shown on wiring schematic.
3. Branch circuit protection to be provided by installer.
4. Panel circuit breakers are shipped in the closed position.
5. Ensure floats are properly mounted at the correct levels. **Note:** Floats shall have free range of motion without touching each other or other equipment
6. Connect service conductors 120/208/240VAC to proper location.



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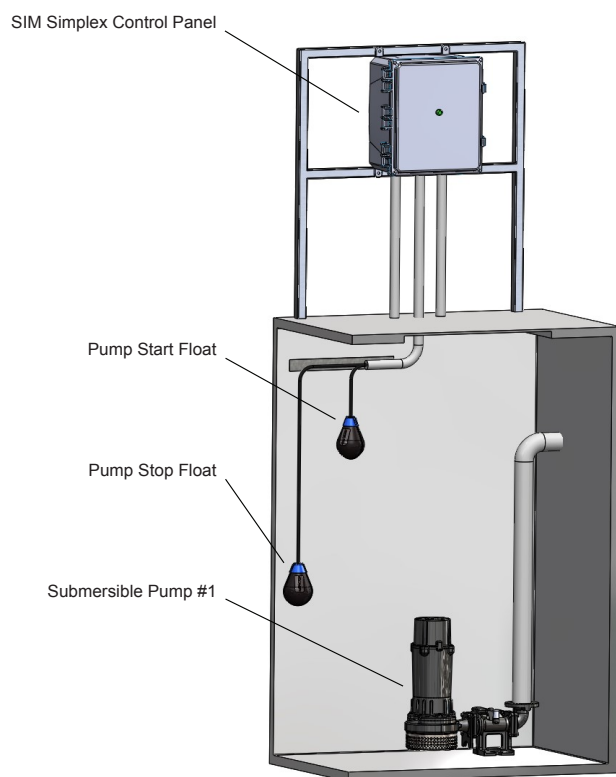
### Sequence of Operation:

1. When the 'Stop' and 'lead' float contact closes, pump #1 will energize and the pump #1 run light will illuminate. Pump #1 will remain operational until the 'Stop' float opens.

### Additional Panel Options:

- S1 = Substitute two narrow angle floats for one wide angle float with 20' cord
- S3 = No floats option
- SS4 = Upgraded enclosure (304 Stainless Steel)
- SS6 = Upgraded enclosure (316 Stainless Steel)
- 6P = Upgraded enclosure (6P Rated)
- 24 = Pump exerciser
- 28 = Power On Dry Contacts (Normally Open)
- C = Additional cord length greater than 20': Specify after C.  
Example: (SIM-A3-3-C50) Indicates 50' cord length for all components

Typical Installation of SIM Simplex Control Panel



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*Caution: before checking electrical connections within the control or attempting to replace any components, turn off all branch circuits supplying power to the main control panel.*

- If the power on light is not illuminating on the front panel, check the voltage at TB1-3 and TB1-4 with a voltage meter. The voltage should read 120VAC. If voltage is present, check the fuse in the fuse box. If the fuse is blown, replace fuse with same type.

- Check floats for entanglement, full range of motion. Replace damaged floats.

See Water® Inc. warrants that products of its manufacture are free from defects in material and workmanship for a period of 5 years from the date of purchase. This date shall be determined by the date on the invoice and the serial number on the product.

Replacement of the product is at the discretion of See Water Inc. This warranty is valid when the product is installed in compliance with the manufacturer's installation instructions. The manufacturer's obligation under this warranty shall be limited to the repair or replacement of any parts found by the manufacturer to be defective, provided that the product is returned to See Water's factory, postage prepaid with proof of original purchase included.

The manufacturer of this warranty shall not be liable under this warranty if the product has not been properly installed; any alterations/additions/changes to the product will result in a void warranty. Failure to properly install and test this product can result in personal injury or equipment malfunction. See Water, Inc. shall not be liable for any loss, damage or expenses from installation or use of its products.



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