

SIM-A1 Simplex Control Panel

The SIM-A1 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
SIM-A1-1	(0.0-7.0 FLA)
SIM-A1-2	(7.0-15.0 FLA)
SIM-A1-3	(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 120/208/240V to proper location.



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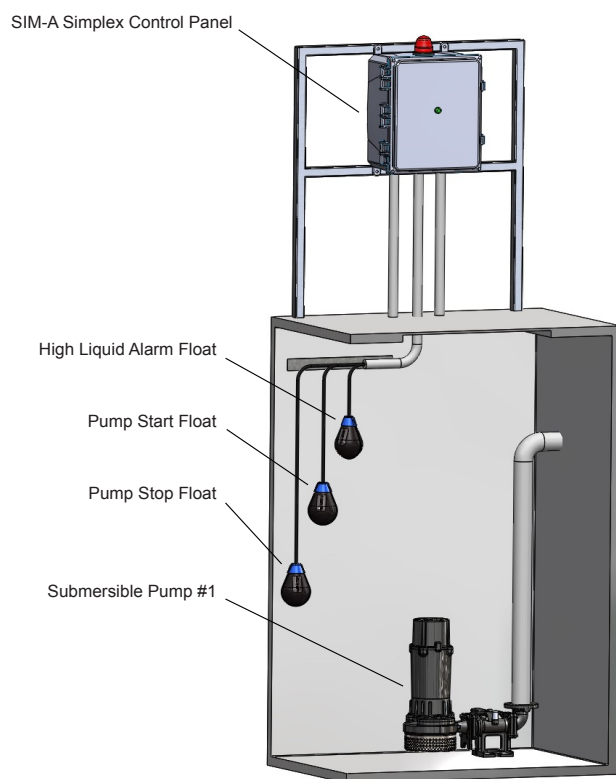
Sequence of Operation:

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.
2. If the level continues to rise, the 'High' float will alarm. This will illuminate the 360 degree visible beacon and sound an 85 decibel at 10' buzzer.

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-A Simplex Control Panel



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