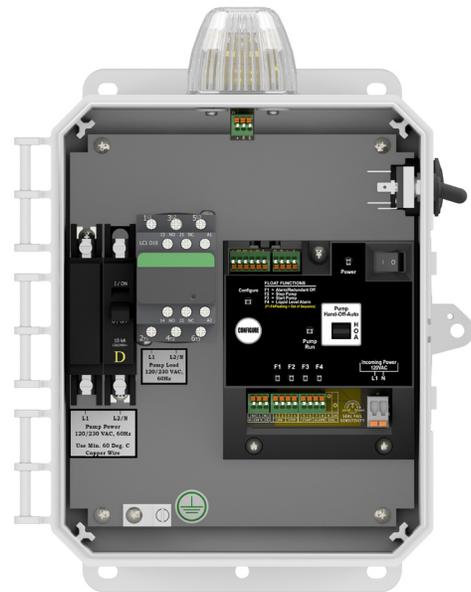
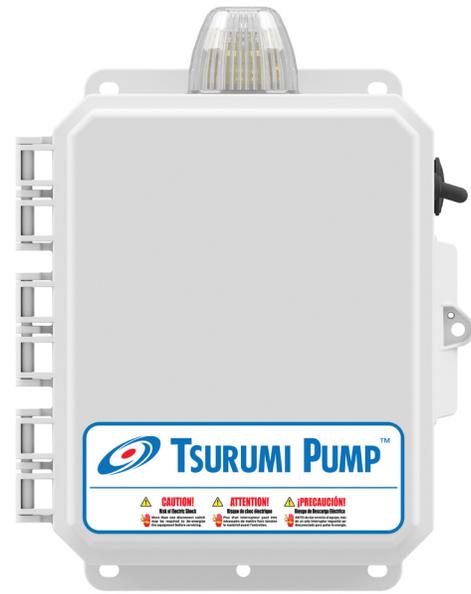


STANDARD FEATURES

- Heavy duty UL 508 listed control panel used for sewage lift station applications
- Dual-voltage transformer operates 115/230 VAC
- Exterior alarm test/silence switch
- Padlockable NEMA 4X thermoplastic enclosure
- Hand-Off-Auto (HOA) pump selector switch
- LEDs status indicators for power, pump run, float activation and seal fail (optional)
- Circuit breaker overload protection
- IEC rated magnetic motor contactors
- Beacon with vibrant multi-color LEDs, green (normal/pump run), red (alarm), and amber (error/HOA off)
- Alarm buzzer 95dB warble w/exterior test/silence switch
- Normally Open (NO) and Normally Closed (NC) Dry Alarm Contacts
- Labeled/numbered field wiring terminals
- Laminated electrical schematic
- (3) 20' mechanical float switches
- Configure button activates alarm test, clear alarms, and enables/disabled system configuration settings



AVAILABLE OPTIONS

- | | |
|--|---|
| <input type="checkbox"/> C - Control Fuse Disconnect Switch | <input type="checkbox"/> M1 - Elapsed Time Meter |
| <input type="checkbox"/> D1 - Main Disconnect (30A) | <input type="checkbox"/> M3 - Combo Elapsed Time Meter/ Counter |
| <input type="checkbox"/> H1 - Anti-condensation Panel Heater | <input type="checkbox"/> S1 - Thermal Cutout / Seal Failure |
| <input type="checkbox"/> I - Intrinsically Safe float circuits | <input type="checkbox"/> WC - External Float Weights |
| <input type="checkbox"/> L1 - Lightning Arrestor | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |

Contact factory for additional options

*Options will increase size of enclosure

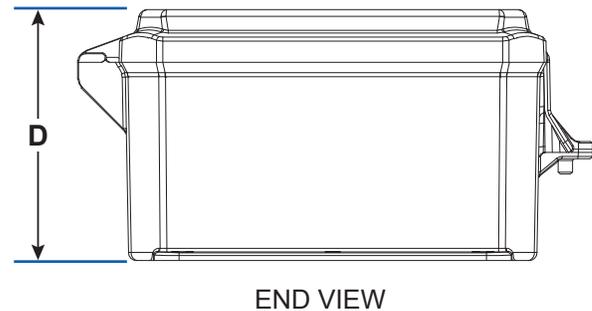
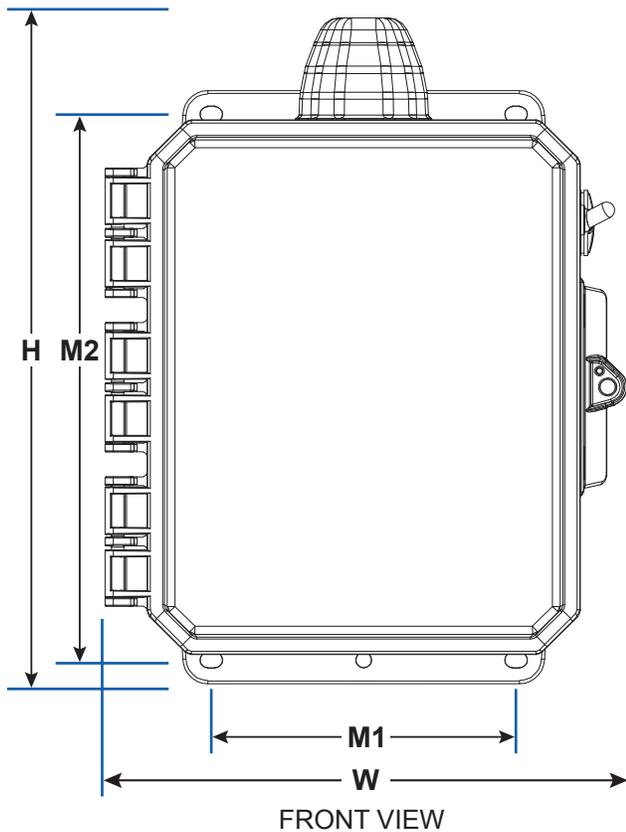


DESCRIPTION OF OPERATION

The TC-1S control panels are float switch operated and come standard with (3) 20' mechanical float switches for pump stop, pump start, and high liquid level alarm. As the liquid level rises activating the pump START float, the pump will start until receding water level deactivates the STOP float to complete the pump cycle. If high level alarm float is activated, the beacon will illuminate, buzzer will annunciate, and auxiliary contacts will activate.

(Exterior Enclosure Dimension in Inches)

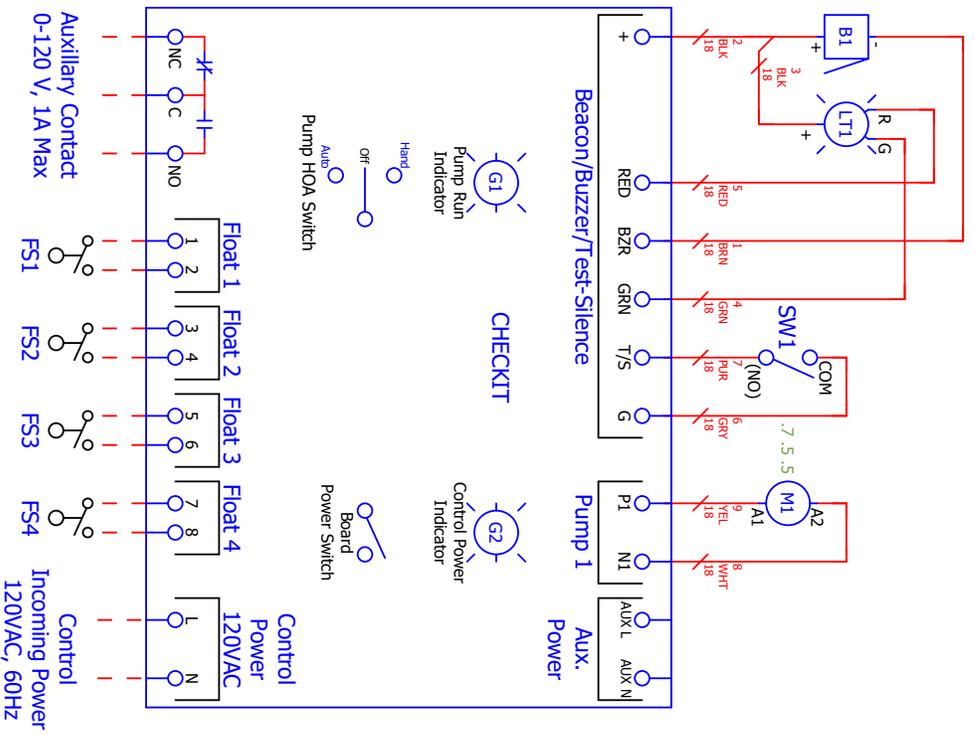
MODEL NUMBER	VOLTAGE	AMPERAGE	W	H	D	M1	M2
TC1S215A	120/230	0.0 - 15.0	10.27	13.69	5.01	6.13	10.75
TC1S220A	120/230	16.0 - 20.0	10.27	13.69	5.01	6.13	10.75
TC1S230A	120/230	21.0 - 30.0	10.27	13.69	5.01	6.13	10.75



Branch Circuit Protection Device/Disconnect Means Field Provided -
Size per manufacturing specifications for Pump/Motor

Device Tag	Description	Priority	Quantity
B1	Buzzer 5-30VDC	45 In-lb	
CB1	Circuit Breaker 2 Pole 20 A	91 In-lb	
CHECKIT	Check-IT Simplex	45 In-lb	
GND1	Ground Lug	15 In-lb	
LTI	Beacon	15 In-lb	
M1	Contactor 18 A - 120V Coil	15 In-lb	
SW1	Toggle Switch, (ON)-Off		

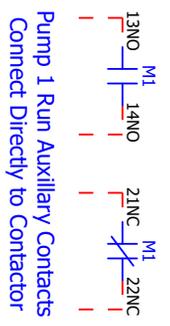
Legend
- - - Field Wiring
. Field Supplied



Simplex Typical Float Arrangement

	FS1	FS2	FS3	FS4
Default Configuration		Stop	Start	Alarm
Configuration 1	Low	Stop	Start	Alarm

To change from default configuration, run the setup



Pump 1 Load
 120/230 VAC, 0-15 Amps, 60 Hz
 Pump Must Contain Integral
 Thermal Overload Protection.
 Ground to Ground Lug.

