



SUBMITTAL

Elite Tank Level



★ELITE



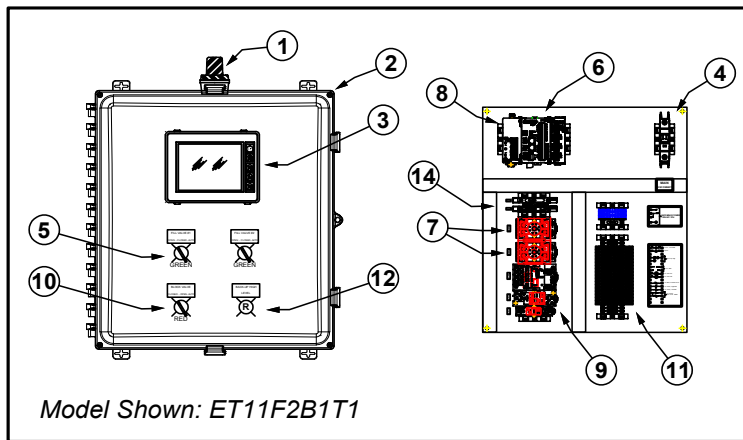
FEATURES

- Type 4X Construction withstands outdoor installations and prevents corrosion
- Lockable hinged front enclosure door
- Conductivity Critical High Level Relay
 - Redundant relay operation protects against PLC or sensor failure system upset.
- Critical High Level alarm Red indicator
- Single Pole Main Disconnect
- Programmable Logic Controller
- Touchscreen HMI Functions
 - Lead Fill Valve Selection
 - Alarm Silence Button
 - “High Level Alarm” Indication
 - “Low Level Alarm” Indication
 - Continues Level Readout, in inches.
 - Level Settings includes:
 - o Level sensor span
 - o Level Read-out offset
 - o Level Display refresh rate
 - o Alarm reset differential
 - o Alarm on-delay timer, seconds (range 0-9999)
 - o High level alarm set point
 - o Low level alarm set point
 - o Fill Valve(s) close
 - o Fill Valve Lead open
 - o Fill Valve Lag open
- Fill Valve 3-position selector switch, Open-Close-Auto with green run indicator
 - 120vac power on
 - Solenoid operation
- Block Valve 3-position selector switch, Close-Open-Auto with red indicator
 - 120vac power to close
 - 120vac power open
 - L1 and Neutral for enclosure Heater
 - Motor Operated Valve
- BAS Dry contact for High Level Alarm
- BAS Dry contact for Low Level Alarm
- Form “C” Dry contact for low level Pump Cut-Off (Domestic only)
- 24 VDC power supply
- 360° visible red alarm beacon
- 95db Piezo alarm buzzer
- Internal wiring numbered to corresponding wiring diagram
- Numbered screw type field termination block
- Field wiring diagram and installation instructions included



PANEL COMPONENTS

- | | |
|----------------------------------|----------------------------------|
| 1. Alarm Beacon | 8. 24vdc Power Supply |
| 2. TYPE 4X Enclosure | 9. Control Relay |
| 3. Touchscreen Display | 10. Block Valve HOA indicator |
| 4. Main Disconnect | 11. Terminal Strip |
| 5. Fill Valve HOA indicator | 12. Back-up High Level indicator |
| 6. Programmable Logic Controller | 13. Alarm Horn |
| 7. Conductivity Relay | 14. Control Fuse indicator |



Options

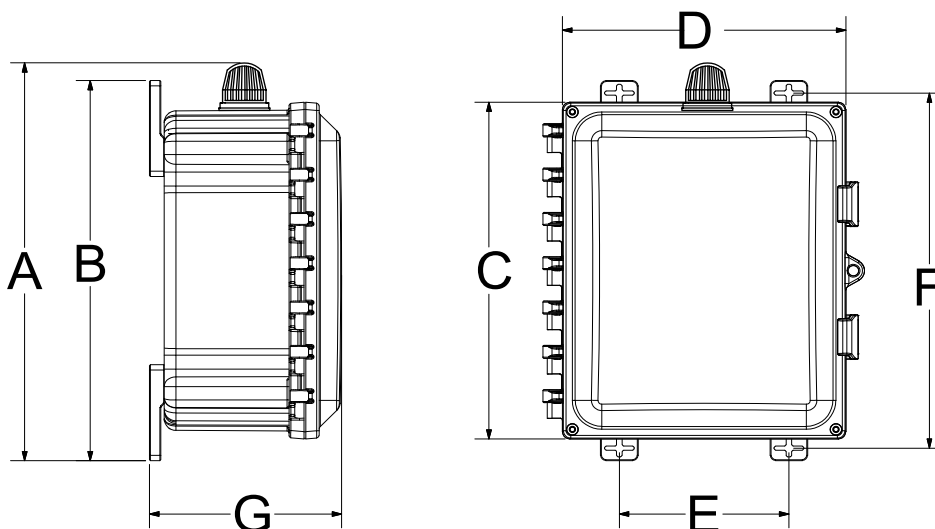
- Dead-Front Construction
- BACnet MS/TP interface
- UL508A & UL698A listed



ENCLOSURE DIMENSIONS

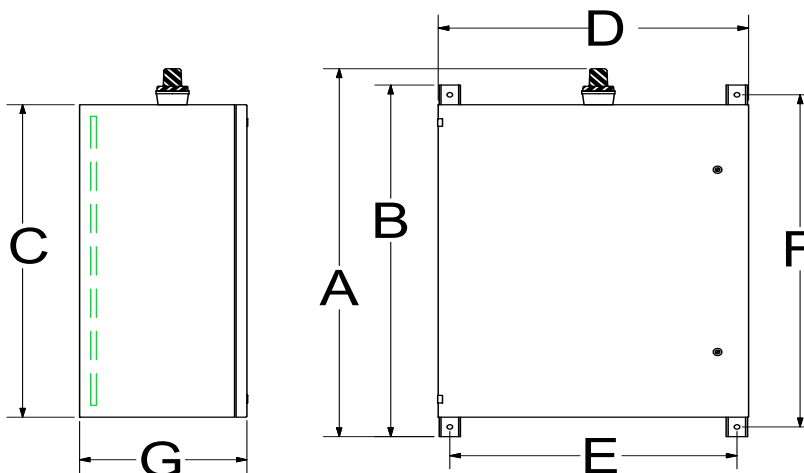
DOMESTIC/FIRE - 18x16x10

A	B	C	D	E	F	G
21.45	20.88	19.41	17.41	13.63	20.03	11.86



COMBINATION DOMESTIS & FIRE - 24x20x10

A	B	C	D	E	F	G
28.25	27	24	20	18.5	25.5	10.79



Panel Details

	Voltage
	11 120 1 Phase

	Tank Compartment
	T1 Single Tank Compartment
	T2 Dual Tank Compartment

	Fill Valves
	F0 No Valve
	F1 One Valve
	F2 Two Valves
	F3 Three Valves
	F4 Four Valves

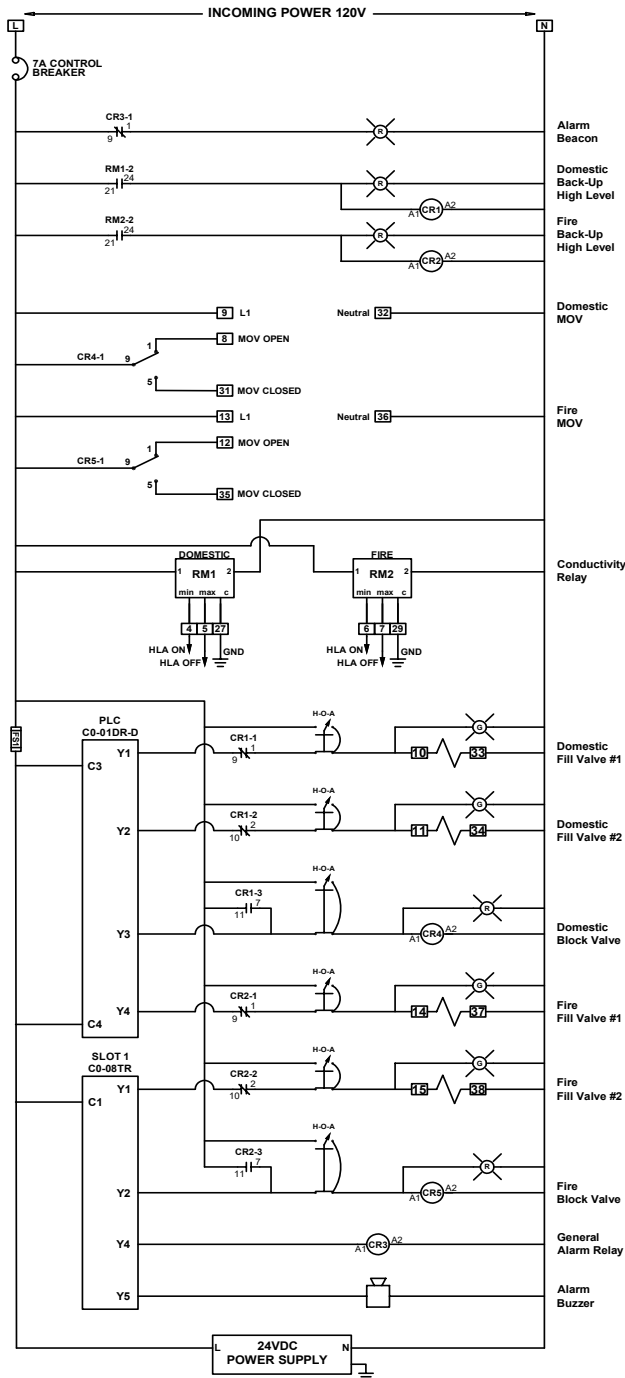
	Selection
	11 Domestic Tank Level
	12 Fire Tank Level
	13 Domestic & Fire Tank Level

	Block Valve
	B0 No Valve
	B1 One Valve
	B2 Two Valves
	B3 Three Valves
	B4 Four Valves

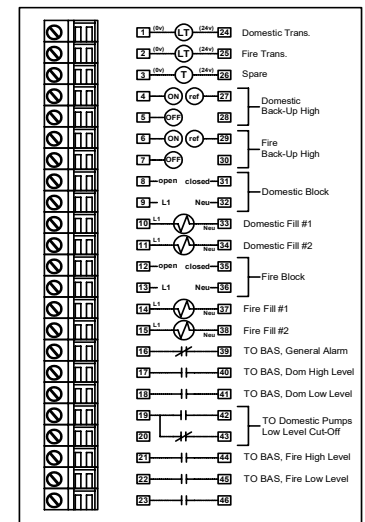
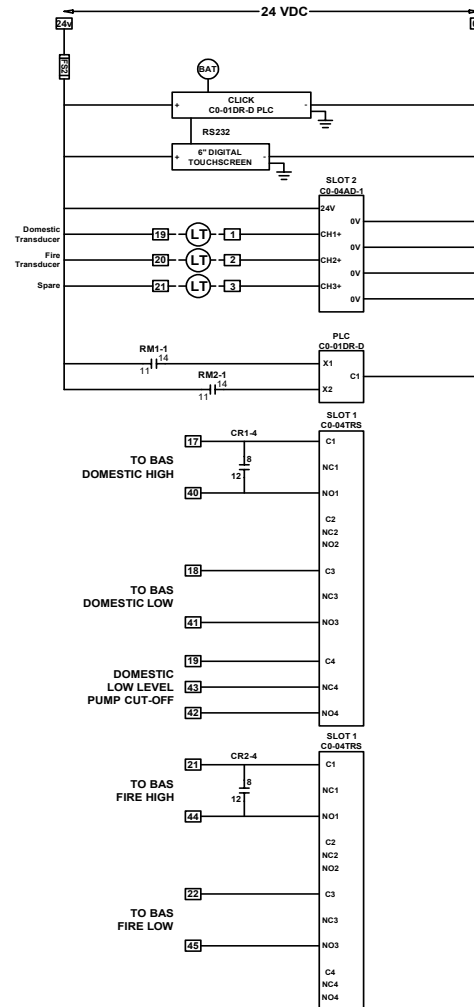


CONTROLS DIAGRAM

- Standard Elite PLC Combination Domestic & Fire Tank Level control panel. Configurable Fill Valve options are available. Configurable Block Valve options are available. 120vac, 1 phase Incoming Power supply. Analog sensor level transmitter input.
- Example Wiring diagram below is: ET13F4B2T1 (2 Fill Valve, 1 Block Valve per compartment.)



Domestic & Fire

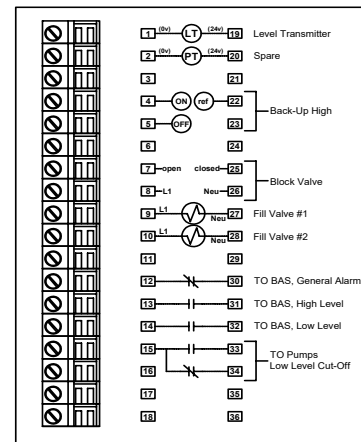
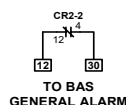
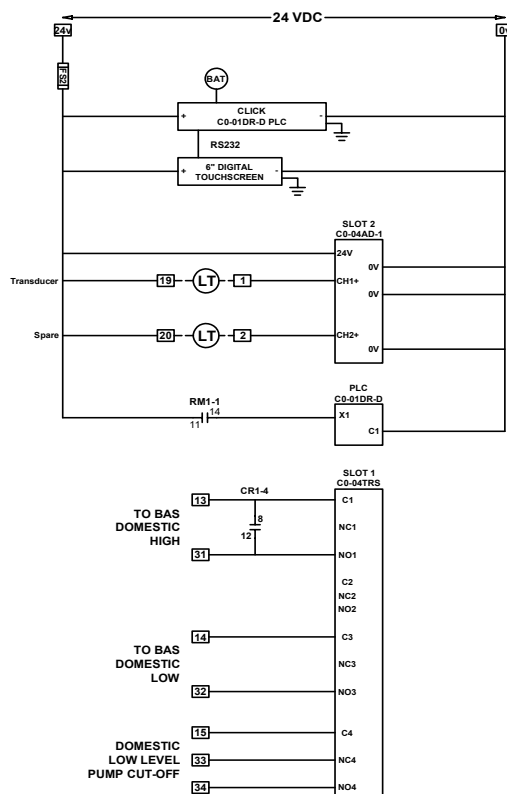
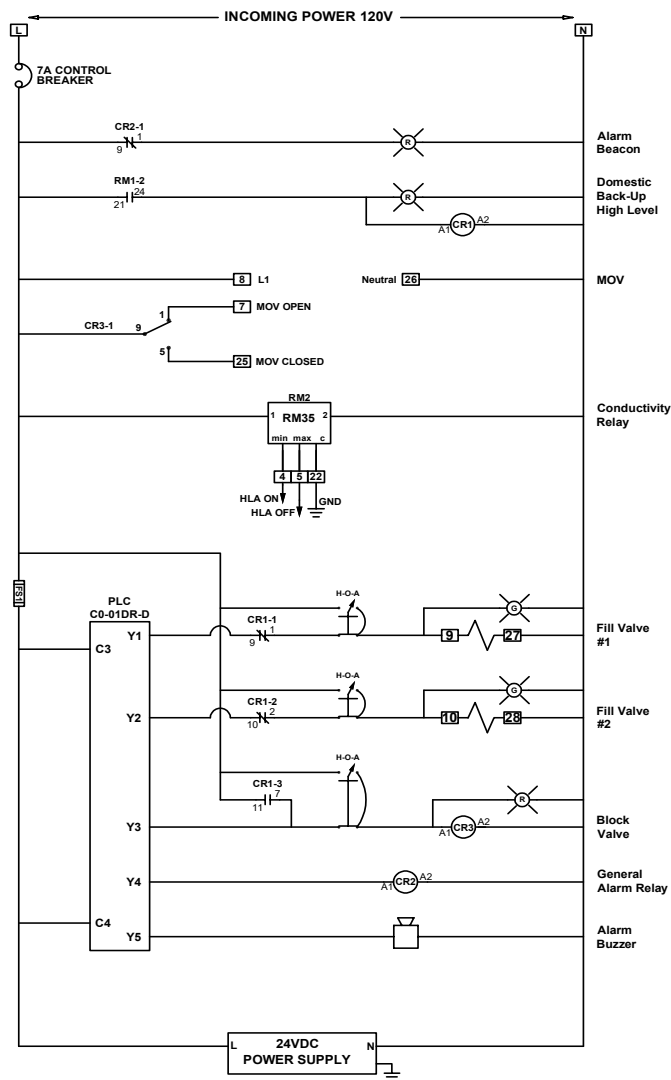




CONTROLS DIAGRAM

Domestic

- Standard Elite PLC Domestic Tank Level control panel. Configurable Fill Valve options are available. Configurable Block Valve options are available. 120vac, 1 phase Incoming Power supply. Analog sensor level transmitter input.
- Example Wiring diagram below is: ET11F4B2T1 (2 Fill Valve, 1 Block Valve per compartment.)

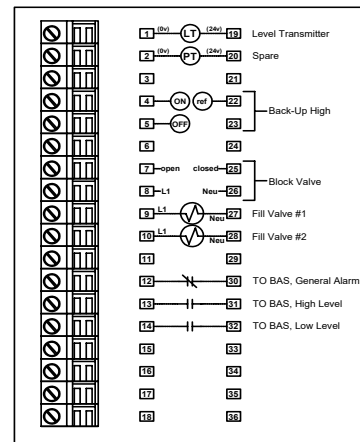
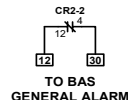
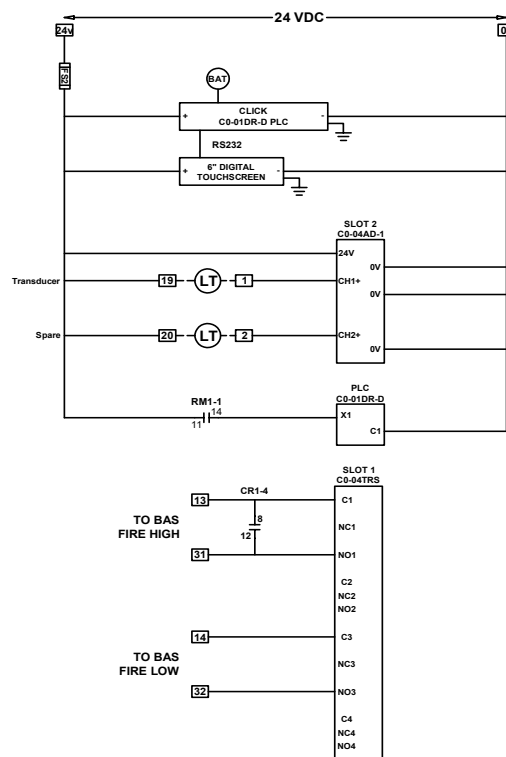
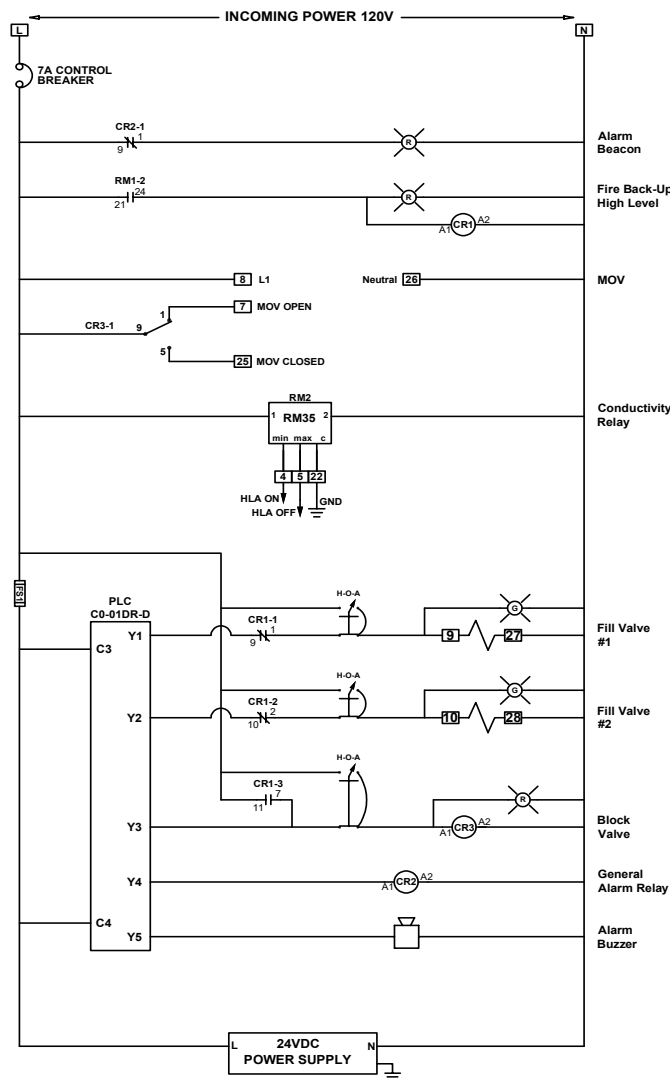




CONTROLS DIAGRAM

Fire

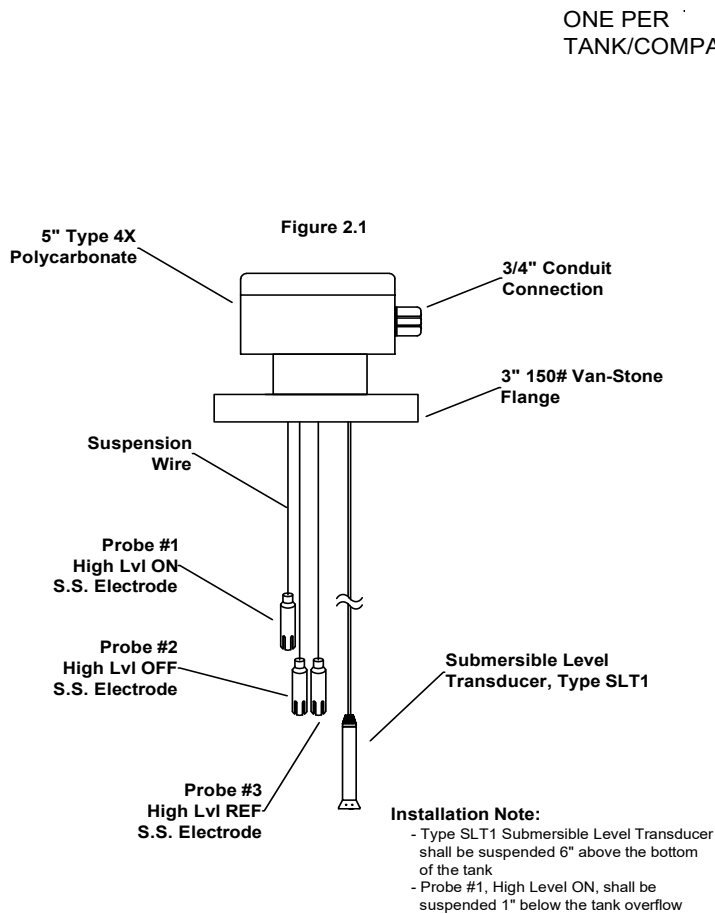
- Standard Elite PLC Fire Tank Level control panel. Configurable Fill Valve options are available. Configurable Block Valve options are available. 120vac, 1 phase Incoming Power supply. Analog sensor level transmitter input.
- Example Wiring diagram below is: ET12F4B2T1 (2 Fill Valve, 1 Block Valve per compartment.)





SENSOR DETAIL

- Standard Level Sensor Assembly consists of a Type 4X Polycarbonate Junction Box, standard 3" Sch. 80 150# PVC flange, Submersible pressure stainless steel transmitter, and stainless steel wire suspended electrodes. Figure 2.1 shows assembly design in detail.



ONE PER TANK/COMPARTMENT

