

TPC-X Controller

One, Two or Three Pump Controller

The TPC-X is a controller designed to operate up to 3 pumps in pump-up or pump-down applications. The controller sequences pumps on and off in response to a change in level input. When used to control the level in a tank, the input is connected to a 4-20mA sensor. A rotary selector wheel is included along with back and escape push buttons for intuitive menu navigation and quick setting adjustments. A 2.7" blue OLED 64 x 256 pixel display provides easy to read level readout and fault annunciation.

FEATURES

- Configurable with no programming software required
- Red LED indicates an active alarm
- Green LEDs indicate pumps required
- Multiple alternation configurations
- Bar graph shows level on display screen
- Constant or variable speed control
- User selectable level units
- I/O status screen to aid system troubleshooting

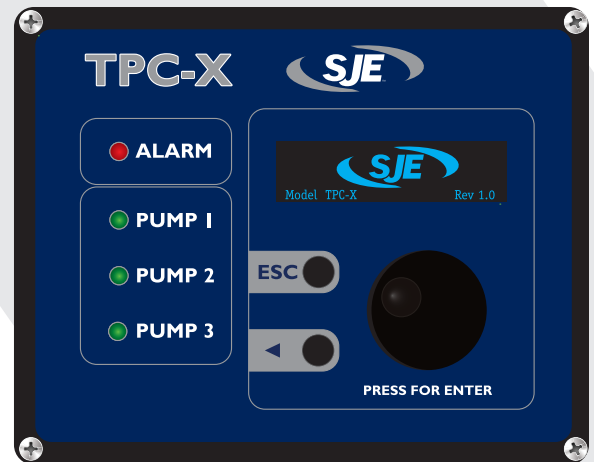


Main Display Screen

The sample menu screen has a title "Level Setpoints" with a downward arrow on the left. It lists four pump settings with their corresponding level values.

Lead Pump ON	10.0 ft
Lead Pump OFF	6.0 ft
Lag Pump ON	11.0 ft
Lag Pump OFF	6.0 ft

Sample Menu Screen



SPECIFICATIONS

Pump Control and Monitoring:

- Automatic pump alternation: Simplex, Duplex or Triplex
- Pump over temperature monitoring
- Pump seal fail monitoring
- Pump run monitoring
- Pump fail to start monitoring
- Low level and high level alarms

System:

- Pump cycle counter
- Pump elapsed time meters
- Alarm counts
- Level simulation mode

Electrical:

- 24 VDC supply power (19-28 VDC, 325 mA max)
- 6 Relay outputs (120 VAC, 3 A max)
- 4-20mA analog level input
- 4-20mA scalable analog level output
- Optional battery backup
- 11 Digital Inputs (12 VDC, 16mA each)

Mechanical:

- Overall dimensions: 7.2" x 5.3" x 2.0"
- Screen dimensions: 2.7" diagonal
- Panel Mount with 4 mounting holes
- Removable terminal blocks
- Fits legacy LCX3 installations



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