Level-Trac LT-420

Control Unit for Guided Wave Radar

- 4-20mA Output Signal
- Programmable Alarm and Trip Points from guided wave radar
- Serial Remote Display Signal (Fiber Optic Available)
- Ability to power three remote indicators
- LED Display on main unit is standard

Applications:

The LT-420 is a unique device used for water level indication on Section I boilers and other boiler feedwater applications. The unit combines several standard features in order to satisfy modern boiler code requirements, and at same time address challenging aspects of water/steam level applications. ASME BPVC.I-2019 PG-60.1.1 requires a Remote Level Indicator (RLI), to continuously measure, transmit and display the water level in the control room. The RLI is a discrete system that monitors the water level, independent of the DCS. Paired with a GWR transmitter, the LT-420 provides a reliable solution for water level indication.

Specifications:

Relay Contact Rating: (4) Relays, 8 Amp (per relay)
Operating Temperature: Electronics: 32˚F-140˚F (0˚C - 60˚C) Column: 750˚F (400˚C)

Enclosure:

NEMA4X/IP65 Wall mounted glass-fiber reinforced polyester (stainless steel is available as an option)
Dimensions: 11.42" H X 9.79" W X 6.56" D (290 mm H X 249 mm W X 167 mm D)
Ambient Operating Temperature Rating: -13º F (-25º C) to 158º F (70º C)

Power Supply:

Single 100-240 VAC ± 10%, 48 - 63 Hz
Optional 24 or 48 VDC

Options:

Additional options can be purchased to customize the LT-420 System to individual applications.
- Additional remote displays
- Column ratings: Up to 3000psi maximum and 1200˚F maximum Column materials: Carbon Steel, Stainless Steel and Chrome Moly
- Auxiliary relay module

Level-Trac Remote Display LTI-420

- 50,000 Hours LED Rated Life
- Panel Mount or NEMA 4X Field Enclosure
- Faceplate Dimensions: 7.75" H X 3" W
- Duplicates the Display on the Front of the Main Unit
- Serial Communications, As Few as 2 Conductors or Fiber Optics
- Optional Fiber Optic Signal Transmission