

Level-Trac Model LT-300 Water Detection Control Unit

The *Level-Trac* Model LT-300 water detection control unit can be used to drive up to four conductivity/resistance probes installed in a single column or separately. The unit features complete redundant and discrete channels, with two independent power supplies. Standard features include:

- Four Discrete Channels
- Four Field Assignable Auxiliary Relays
- Two Independent Power Supplies
- Probe Cable Fault Monitoring
- Remote Display LTI-300+ Available

The *Level-Trac* Model LT-300 can be used as a direct replacement to external cage float switches, and offers solid state reliability with no moving parts. The Water Detection Unit is designed to be used with Model 501 and 502 water columns, or with single probe fixtures. Suggested applications are:

- Traditional Water Gage Columns at the Boiler Drum
- Cold reheat & Extraction Steam Lines
- Drain, Flash, and Dearator Levels
- Condensate Pots



Electronic Unit Specification

Enclosure:

Wall mounted glass-fiber reinforced polyester
NEMA 4X / IP65
Dimensions: 8.66" (220mm) x 7.9" *200mm) x 4.75"
(120mm)

Inputs:

4 independent isolated channels
Field selectable three ranges of conductivity
Probe cable monitoring of water or steam normal condition for each channel

Display:

LED indication on each channel
Yellow LED indication for equipment fault
The selection of horizontal, vertical or combination configurations of probe channel validations, or Supply failure initiates the System Fault indication

Outputs:

Two pole changeover contacts per channel
Single pole Changeover contact for System Fault
Contact rating: Max voltage - 250 VAC, 220 VDC
Max current - 2 Amps
Load switching - 50 Watts, 120 VA

Supply Requirements:

Two independent AC sources
92 - 127V @ 15VA, 48 - 63Hz
184 - 254 @ 15VA, 48 - 63Hz