



**Franklin Electric**  
**GRID SOLUTIONS**



**INCON**<sup>®</sup>

**LOAD TAP CHANGER  
POSITION MONITORING**



# LOAD TAP CHANGER POSITION MONITORING

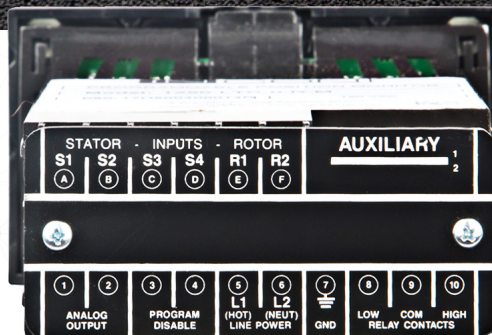
The range of INCON Load Tap Changer (LTC) Position Monitors relay critical position information between the LTC and the LTC controller, enabling distribution transformers to run as efficiently as possible.

## SMART DISTRIBUTION TRANSFORMER MANAGEMENT

LTC position monitors can feed the LTC position directly into a SCADA (Supervisory Control And Data Acquisition) system to:

- Ensure transformer loads are balanced.
- Regulate line voltage by adjusting feeder voltage.
- Reduce power costs by providing minimum line voltage to the customer.

## PROGRAMMABLE POSITION MONITOR OPTIONS



The **1250B** is a versatile programmable position monitor. Its main application is for Transformer LTC position monitoring, but its non-linear conversion table gives it the ability to convert non-linear rotary motion into a linear scale for additional applications.

The **1250-LTC** is designed specifically for transformer LTC position monitoring. Its hardware is the same as the 1250B with the addition of Input Isolation, Serial Port and Relay inputs which provide enhanced analysis of LTC position.

The **1511-LTC** provides basic LTC tap position monitoring using the LTC's slide wire position feedback device. As the LTC changes taps, the moveable contact picks up the voltage divided through the resistors in the slide wire, so that each tap has its own specific voltage.

LTC MONITOR	1250B	1250-LTC	1511-LTC
Applications	Transformer LTC Position, Hydro Dam Gate Position, Dam Head/Tail Water Level, Industrial Rotary Position	Transformer LTC Position, LTC Position Data Collection	Transformer LTC Position
Transducer Type	Synchro (1292)	Synchro (1292)	Resistance Switch (Slidewire)
Input Signal	0-90VAC, 50/60Hz	0-90VAC, 50/60Hz	0-24VDC
Power	115VAC +/-10%, 50/60Hz	115VAC +/-10%, 50/60Hz	115VAC +/-10%, 50/60Hz
Display	5 Digit, Red LED, 0.75"	5 Digit, Red LED, 0.75"	5 Digit, Red LED, 0.75"
Analog Output Options	0-1mA, +/-1mA, 0-2mA, 4-20mA	0-1mA, +/-1mA, 0-2mA, 4-20mA	0-1mA, +/-1mA, 0-2mA, 4-20mA
Dry Contact Relays	2 ea. Form A	2 ea. Form A	2 ea. Form A
Serial Communication	RS-232 (ASCII), RS-485 (MODBUS)	RS-232 (ASCII), RS-485 (MODBUS)	RS-232 (ASCII), RS-485 (MODBUS)