

Reliable position monitoring of LTCs and voltage regulators is more important than ever. INCON has the products and accessories you need to do the job right.

Proven reliability and performance for over two decades, in over 20,000 installations, as the industry leader in LTC position monitoring.



### 1250 Series - Programmable Position Monitor



#### All Models:

- Receive a signal from a synchro transmitter (1292 series)
- Display tap position and transmit this information over analog and serial lines
- Work with any LTC or voltage regulator
- Software draghand feature to report highest and lowest tap position
- Programmable through the serial port
- Analog output to SCADA or tap controller

#### 1250-LTC also includes:

- Tap position, displacement from center-line
- Provides absolute position feedback
- Number of tap changes "up or down to" each tap and total
- Number of consecutive tap changes in one direction
- "Unstable signal" and loss of signal detection
- Tap change relay acknowledgement
- Number of days since passing through neutral

### RD-4 - Remote Display



- RS-232 input signal
- Panel or surface mount
- Programmable three color display, changes color at programmed high and low limits
- 5 Volt DC power supply

### 1511-LTC - Programmable Position Monitor



- Receives signal from a resistive drumswitch or "Slidewire" transmitter, 600 ohms min. total resistance
- Provides a more reliable reading of the transmitter through software filtering and higher 24V signal strength
- Shows position on large display
- Optional RS-232 port
- Optional High/Low limit relays function as programmable drag-hand contacts
- Outputs interface to PLCs, SCADA RTUs and substation computers.

### 1280 & 1283 - Surge Protection Module



- Protects power and signal inputs as well as analog output from lightning and switching surges
- State-of-the art MOV & Transorb protection circuitry
- High wattage resistors on every line for energy dissipation
- Replaceable fuses on every line
- Spare fuses included
- Plug-able field wiring terminals
- Model 1280 for use with 1250s
- Model 1283 for use with 1511-LTCs

The INCON 1292 offers a vast performance improvement over drum switches and resistor networks used in load tap changers and voltage regulators.

### 1265 - Dial Face Retrofit Kit



- Synchro retrofit kit for tap position dial indicators. Replaces lens and includes a synchro with capture mechanism for tracking dial pointer.
- Available in all popular dial diameters
- Includes weatherproof electrical connector

### 1269 - Interface Cable

- Pre-made cable with weather-tight coupling
- Connects to the 1265 and facilitates wiring to a junction box
- 10, 20 and 50 foot lengths available

### 1932 - Power Line Filter



- Regulates line voltage
- Filters harmonic noise for increased accuracy and reliability
- Includes lightning arrestors

### 1945 - Power Supply



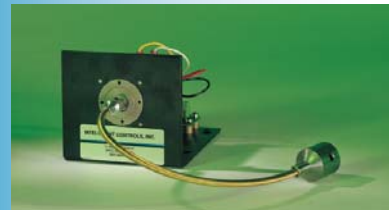
- For use with monitors with 4-20 mA analog output option
- Adjustable 12-15 Volt DC output
- 100/120/220/240 Volt AC input power

### 1292 Series - Synchro Transmitters



- 1292** ■ Absolute position synchro transmitter never needs re-zeroing or calibration
- Very fine resolution, high accuracy, high reliability, robust signal
- The 1292 series is easily specified on new transformer LTCs or field retrofitted to existing LTCs
- 1292S** ■ Includes surge suppression for use in transient-prone electrical systems
- 1292K** ■ Includes pre-drilled anodized mounting bracket
- 1292KS** ■ Includes 1292K pre-drilled anodized mounting bracket and surge suppressor

### 1293 - Flexible Shaft Coupling



- Enables coupling the LTC drive to the 1292 synchro transmitter
- Makes retrofits to older LTCs easy
- Standard couplings fit most LTC applications
- Custom lengths and coupling diameters also available

**INCON**<sup>®</sup>  
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