TEMPERATURE TRANSMITTERS C/W LCD DISPLAY TE511/512 Series

Precision temperature control/sensing

FEATURES:

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- Precision RTD sensing element
 - Choice of scaled ranges and outputs
- LCD available in either °C or °F
- Hinged ABS weatherproof enclosure

Peace of mind through reliable temperature monitoring

GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM

SPECIFICATIONS:

Sensor					
Sensor Accuracy					
Transmitter Output Signal					
Transmitter Accuracy					
4-20 mA loop Power Supply					
Minimum Loop Current					
Maximum Loop Current					
Maximum Loop Load					
0-5 Vdc Power Supply					
0-10 Vdc Power Supply					
Maximum Current (Voltage)					
Maximum Output (Voltage)					
Input Voltage Effect					
REL rejection					
Protection Circuitry					
Probe Operating Temp					

PCB Operating Temperature ... Operating Humidity Probe Material

Wire Material

Wiring Connections
Enclosure
Display Units
Display Range
Display Size



54 mm

ENCLOSURE DIMENSIONS:



114.3 mm (4.5") (4.5") (3.95 "

THERMOWELL PART NUMBERING SYSTEM

SERIES NUMBER	NPT THREAD SIZE	MATERIAL	STEM LENGTH	CONSTRUCTION
T1	1/2"	P - 304 SS R - 316 SS	2" 4" 6" 8" 12" 18"	- MACHINED W - WELDED (12" and up only)

EXAMPLE: T1 1/2 P 4

4" 304 STAINLESS THERMOWELL WITH 1/2" NPT PROCESS THREAD





PRODUCT ORDERING INFORMATION:



Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

ACCESSORIES:

120-*) Thermal Compo nd – The 120-Thermal Conducting Compound xide-fi dielectric, silicone oil-bas compound that facilitate heat transfer by filling voids an gaps mating surfaces between he operating temperature ra -40° to 200°C (-40° to 392° nge is F). It is ° to 392 or 2 & 8 oz available in a 5 oz jars

DC-01) Duct collar - The DC-01 is an adjustable collar for mounting the duct temperature sensor probes. it incorporates a foam backed mounting flange with 2 mounting holes. A compression type fitting accomodates a 1/4" probe and allows for an adjustable probe depth.



TS17R-*) Probe clamp – The TS17R-* is a zinc plated, rubber coated tube clamp that can be used to secure a temperature probe. It is available in several sizes to fit a wide variety of probes.



CC-1G) Averaging probe clip – The CC-1G is used to mount averaging sensors in duct applications. It can be used for probe diameters of 1/8",1/4" and 3/8". The bracket provides support and a smooth arc for direction reversal allowing for criss-crossing the duct. It eliminates kinking of the sensor and damaging the probe.

A fixed 1/4" probe may also be mounted as part of the bracket design using the scored break-off. It is made out of tough UL94V Nylon and limits heat/cold conduction to the probe and has multiple mounting holes to make mounting quick and easy.

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COMPLIANT



FEATURES:

The TE511/512 series temperature transmitters offer a platinum RTD's with transmitter which can be interfaced with a computerized monitoring or control system. each model incorporates a LCD in either °C or °F. A optional secondary sensor is available. A wide variety of configurations are available such as:

B) Duct Sensor – The B is for single point monitoring. It comes with a stainless steel probe which is available with various probe lengths.

C) Immersion Sensor – The C comes in two configurations. It has either spring loaded or non-spring loaded probes and has a 1/2" NPT fitting to be mounted into a thermowell. It is available in various lengths.





FD, D, DC & DR) Duct Averaging Sensor – The D, DR & FD models incorporate numerous sensors along the assembly and act as a single sensor averaging the temperature across the sensors. The DC is a continuous sensing element that senses a temperature change along the entire proble length. They are available in various lengths. The FD probe is constructed of FT-6 rated plenum cable which allows for easy installation. The D& DC probes are constructed of bendable soft copper and the DR is a constructed of rigid stainless steel.



E) & ES) Strap-on Sensor – The E comes with stainless steel probe and is available in several lengths and 1.5 m (5') of zip cable for remote mounting. The ES has an aluminum plate with an expandable 10" clamp assembly to strap directly to a pipe.



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