

TEMPERATURE MONITORS FOR 12 LOCATIONS Models 7112N & 7212N

These thermocouple monitors were designed for industrial and commercial applications that require monitoring of 12 locations economically. The circuits have been optimized to deliver accuracy and stability over a wide environmental range. Typical applications include monitoring HVAC systems, baking/curing ovens, food or medical freezers, molding machines, refrigeration equipment, motor bearings, engines, etc.

FEATURES:

TC calibrations available are **T, K, J or E** linearized in four sections for good accuracy (narrow range, lower cost calibrations are available on special order).

RTD cold junction compensates accurately for ambient temperature changes as fast as 2° per minute.

High impedance circuit allows use of probes with up to 1000 ft. of 24 ga. wire. Several transformer isolated monitors can connect to the same probe.

Large bright display is about ½" high red for excellent readability. Individual digits are mounted in sockets for simple replacement.

Long-life rotary selector for displaying 12 thermocouple inputs. Selector knob has large pointer for clear indication of locations.



ENGINEERED AND MANUFACTURED IN WI, U.S.A.

Polymer coated circuit will perform indefinitely even in high humidity environments.

SPECIFICATIONS:

Display Range:

-199 to 1999 °F or °C. Usable range varies with TC type (see ordering section).

Measuring Accuracy:

± ½% of reading ±1 degree using ANSI millivolt-temperature standards.

Instrument Environmental Range:

-15° to 130 °F or -26° to 54°C and 90% max R.H. without condensation.

Cold Junction Offset:

One degree max. for an ambient range of 32° to 110°F or 0° to 43°C.

Display Indication:

Updated three times per second on LED digits 0.56 (14 mm) high.

Construction:

Aluminum enclosure with features provided for surface mounting. The swing-out front panel allows internal access for mounting and wiring.

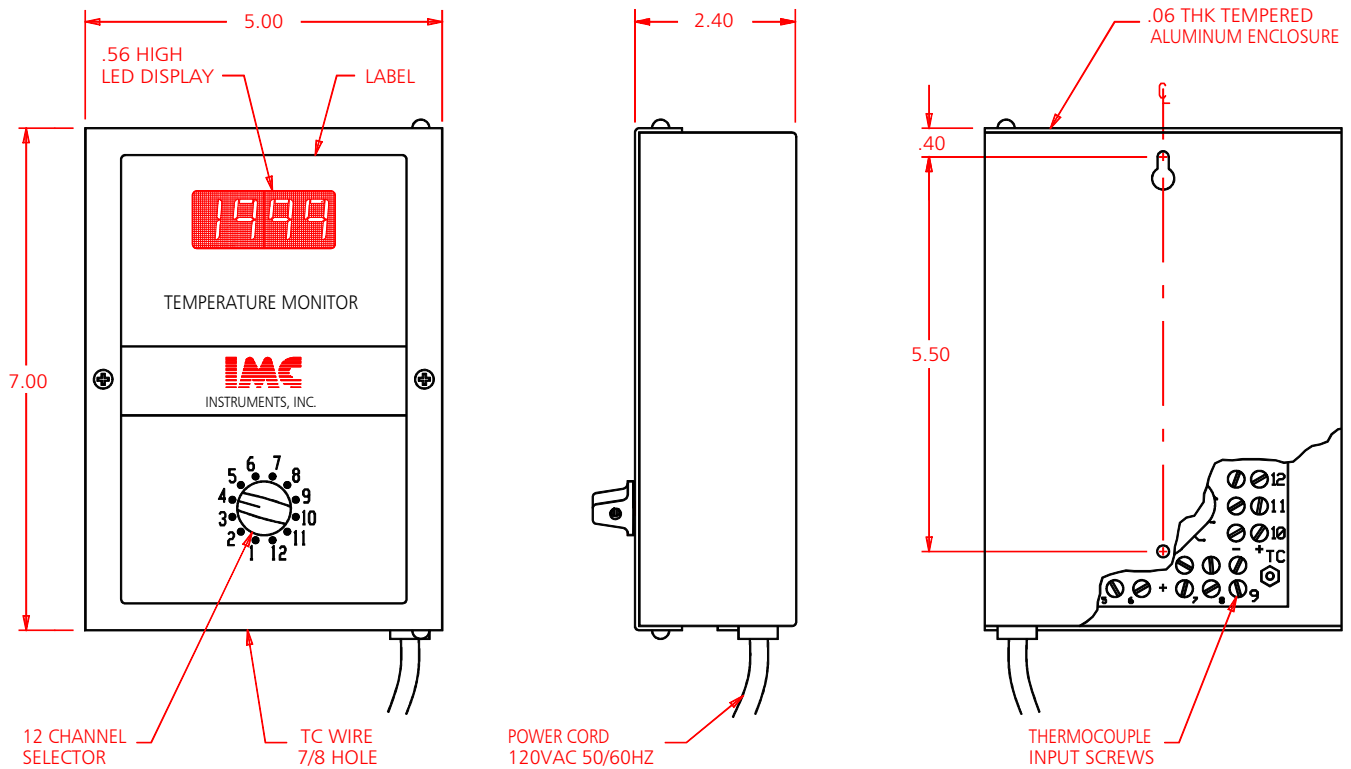
Power Requirement:

Supplied with a 5ft power cord for 120 VAC 50/60 HZ. Optional configurations are available.

Weight:

Appx. 1.7 lb. (0.8 kg.) with power cord.

MECHANICAL DETAIL: Model 9420-7112N shown.



ALL DIMENSIONS ARE INCHES*

ORDERING INFORMATION:

Refer to sheet titled "PERMANENT INSTALLATION TC PROBES" for the selection of wire and probes to complete any measuring system. All prices listed below are F.O.B. factory or distributor warehouse. Contact distributor listed below for assistance. Products are warranted against material or workmanship defects for a full year from date of shipment.

POWER INPUT: _____

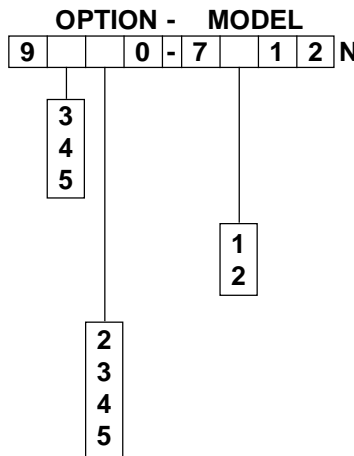
- 24 VAC 50/60 HZ with transformer leads
- 120 VAC 50/60 HZ with std. 5 ft. power cord
- 230 VAC 50/60 HZ with screw terminals

SCALE: _____

- fahrenheit reading
- celsius reading

THERMOCOUPLE CALIBRATION: _____

- K type 1/2% range is -60 to 2000°F (-50 to 1100°C)
- T type 1/2% range is -60 to 400 °F (-50 to 205°C)
- J type 1/2% range is -60 to 1400°F (-50 to 750°C)
- E type 1/2% range is -60 to 1650°F (-50 to 900°C)



* Specifications are subject to change without notice

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