

WIDE RANGE TEMPERATURE MONITORS Models 711/716 & 721/726

These monitors were designed after years of field experience and have been optimized to deliver accuracy and stability over a wide environmental range. The enclosure is designed for either surface, "J" box or panel mounting. These units are ideal for monitoring HVAC systems, baking or curing ovens, food or medical freezers, solar collectors, refrigeration equipment, motor bearings, etc.



MODEL 716N

ENGINEERED AND MANUFACTURED IN WISCONSIN, U.S.A

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 TC selector, rotary and slide types, for displaying up to six thermocouple inputs. Selector knob has clear markings for indication of locations.

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% R.H. max. (no 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" (14mm) high.

Construction:

Aluminum enclosure with removable front access cover for mounting and wiring. Features are provided for surface mounting onto solid walls.

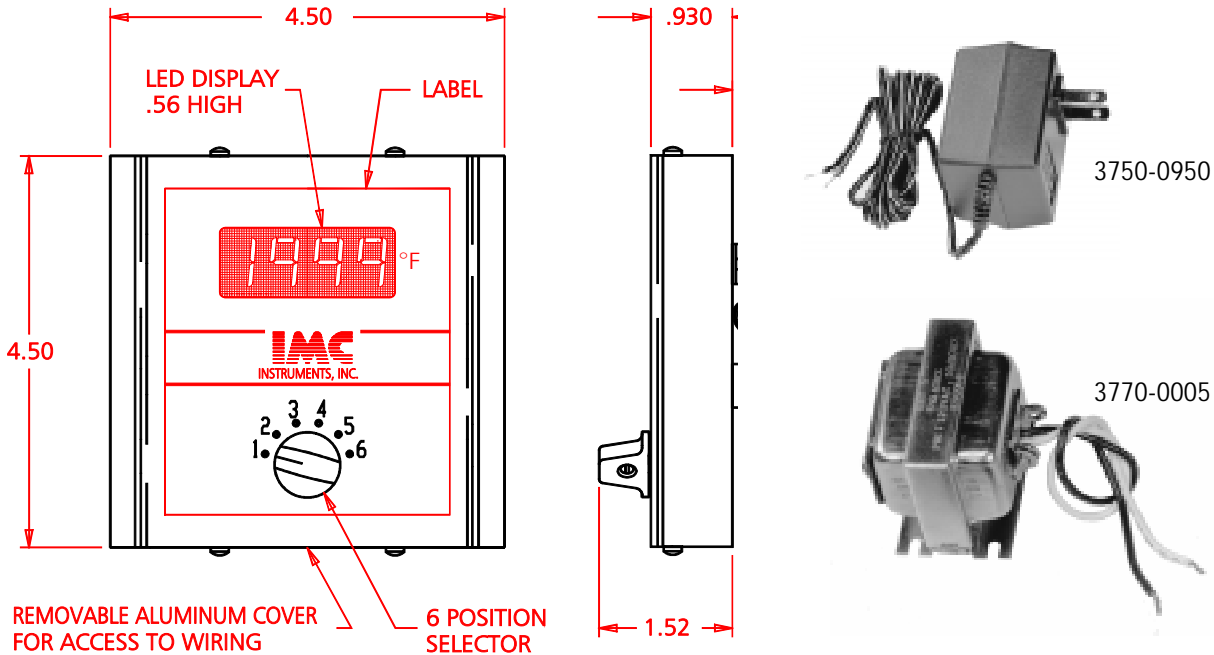
Power Requirement:

Isolated 10-12 VAC at 0.15 amp. Optional transformers are available from 24 to 230 VAC.

Weight:

Approx. 7 ounces (0.2kg) without transformer.

MECHANICAL DETAIL: Product # 9020-0716 shown, other models have slight differences.



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. Orders under \$ 100.00 will be charged \$ 5.50 handling.

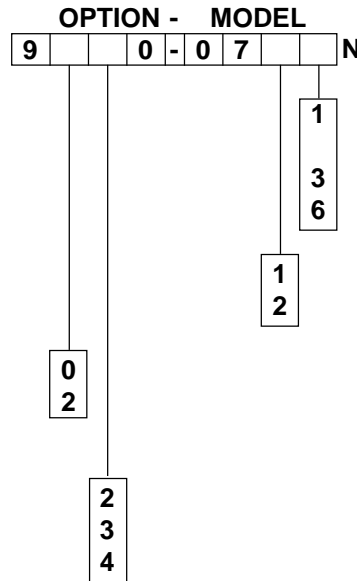
NUMBER OF THERMOCOUPLE INPUTS: _____
 1 pt. - no selector

3 pts. - rotary selector
 6 pts. - rotary selector

SCALE: _____
 fahrenheit reading
 celsius reading

POWER INPUT: _____
 Standard 10-12 VAC 50/60 HZ isolated input
 Truck 12 DC negative ground (use ungrounded probes)

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)



PART NO.
 3750 - 0950
 3770 - 0005

DESCRIPTION
 TRANSF 120VAC PLUG-IN/11VAC FOR MONITORS
 U/L TRANSF 120VAC/11VAC FOR MONITORS

* Prices and specifications are subject to change without notice



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