

## MULTI-INPUT TEMPERATURE MONITOR WITH ALARMS AND DATA LOGGING Models -4506/4512 & -4706/4712

Monitor up to 12 type J, K, T, or E thermocouples with this programmable alarming unit. The Isolated inputs provide safe and accurate measurement even when probes are exposed to various electrical conditions. The set-up parameters are simply programmed from the front panel keypad. Select your choice of thermocouple type, channels displayed, dwell time, resolution, temperature scale, and high/low alarm set-points. Alarms may be disabled or set for automatic or manual reset. All these parameters are saved in nonvolatile memory allowing instant power-up operation.

### FEATURES:

**Automanual calibration** feature compensates for probe error. Each channel can be calibrated individually eliminating probe offset errors. This calibration is also stored in nonvolatile memory.

**Bright 12 character**, vacuum fluorescent display indicates current channel, temperature reading, scale units and warnings.

**HOLD** feature freezes all 12 inputs when simultaneous readings are required.

**STORE** feature transfers current readings of all channels to memory for convenient recall. **MAX** and **MIN** features display maximum and minimum values of readings for each channel.

**LOG** up to 256 readings for each channel on an adjustable time interval. Global high and low **5A**



**NEMA-12 RATED UNIT. PANEL MOUNT VERSION ALSO AVAILABLE.**

**relays** can be connected for remote alarming or safety shut-downs.

**Printer output** for datalogging sends temperature data, alarm conditions, and elapsed time via RS-232 port to a printer or to an MS-DOS computer. Software programs are included for **data retrieval** (dedicated serial port required).

### SPECIFICATIONS:

#### Selectable "TC" Ranges:

- J= -310 to 1832°F (-190 to 1000°C)
- K= -418 to 2507°F (-250 to 1375°C)
- T= -418 to 752°F (-250 to 400°C)
- E= -418 to 1652°F (-250 to 1000°C)

#### Resolution:

0.1°/ 1° selectable up to 999.9°; 1° above 1000°

#### Accuracy:

±0.1% of rdg ±0.7°F (0.4°C) above -238°F (-150°C)

#### Display:

12 character vacuum fluorescent with adjustable update from 4 to 999 seconds per input.

#### Scan rate:

4 seconds for all 12 channels

#### Single process output: (for selected channel)

4 to 20 mA or Optional 0-1vdc for recorder.

#### Digital output:

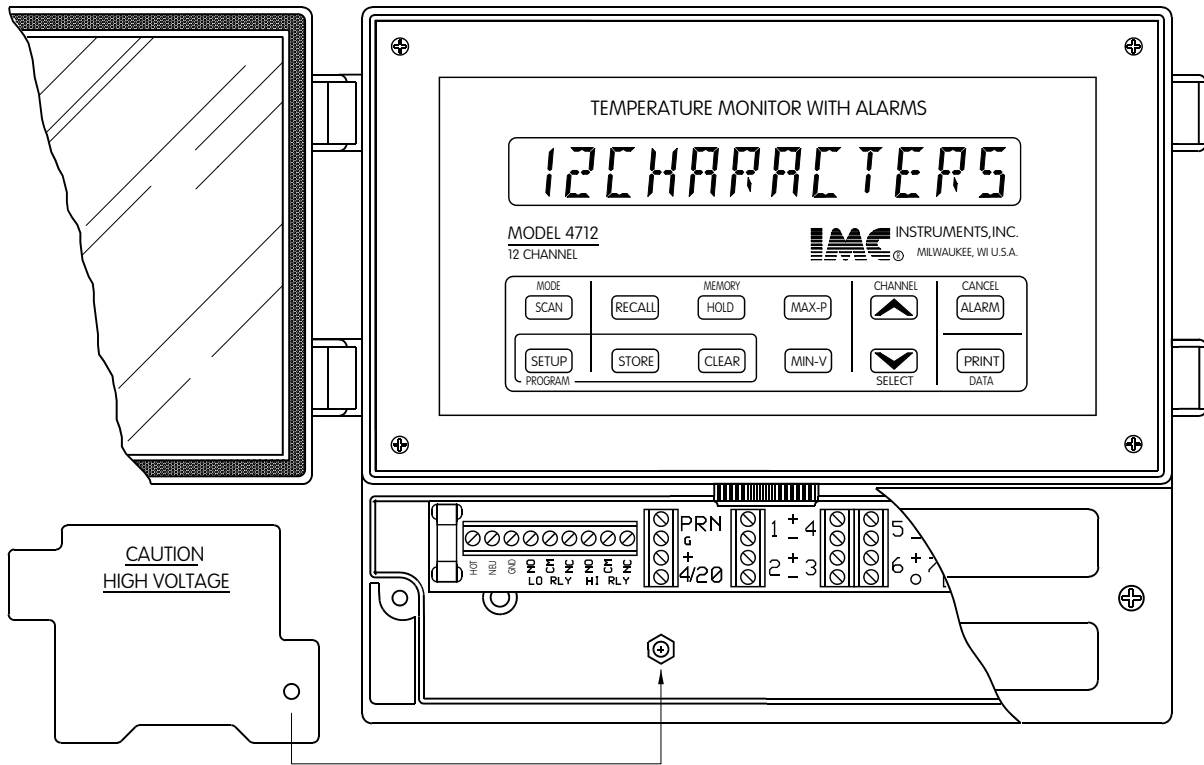
RS-232-C (9 pin male connector)

ASCII format @ 9600 baud rate

#### Operating ambient:

32 to 122°F (0 to 50°C)

**SIZE AND WEIGHT:** 9"(229mm) Wide X 7.5"(190mm) High X 5"(127mm) Deep; 3 Lbs (1.4 kg)  
**MECHANICAL DETAIL:** Model 4712-1BA0 with all options shown.



**ENCLOSURE TYPE:** \_\_\_\_\_  
 Nema 12 splash proof enclosure

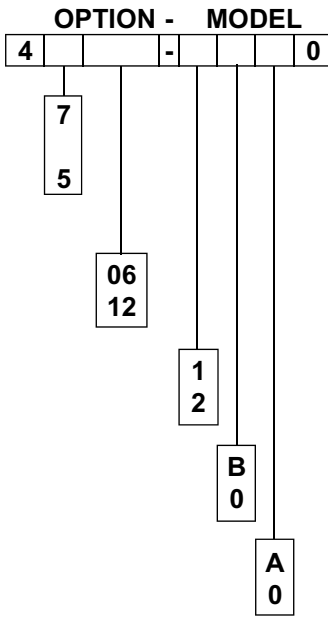
Panel style: front display and separate mainboard 3' interconnect cable standard

**NUMBER OF INPUTS:** \_\_\_\_\_  
 6 Inputs  
 12 Inputs

**INPUT POWER:** \_\_\_\_\_  
 120 VAC 50/60 HZ  
 240 VAC 50/60 HZ

**AUDIO ALARM:** \_\_\_\_\_  
 Buzzer option  
 No buzzer

**SINGLE ANALOG OUTPUT:** \_\_\_\_\_  
 4-20mA Analog output option  
 No analog output



**ACCESSORIES:** \_\_\_\_\_  
 6' Cable to connect scanner to computer, 9 pin female.  
 12' Cable, same as above.  
 6' Cable to connect scanner to printer, 25 pin male.  
 12' Cable, same as above.

A C S C - 0 6 C  
 A C S C - 1 2 C  
 A C S C - 0 6 P  
 A C S C - 1 2 P

Specifications are subject to change without notice

DS-4712 v07-08

**IMC**®  
**INSTRUMENTS, INC.**  
 468 Liberty Drive, Wittenberg, WI 54499  
 Tel: (715) 253-2801 Fax: (715) 253-2811  
 Website: www.imcinstruments.com

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