



# MAXIGARD™



## MODELS CT4006 & CT4012

### TEMPERATURE MONITOR WITH ALARMS

*EACH CHANNEL PROGRAMMABLE WITH NONVOLATILE MEMORY*

**CT4006: SIX CHANNELS, CT4012: TWELVE CHANNELS**

#### FEATURES:

- Selectable thermocouples, J, K, T, or E
- Front panel keypad
- Auto/manual calibration
- Bright fluorescent display
- Display hold each channel
- Data storage
- Minimum/Maximum values each channel
- Optional printer output

#### ADVANTAGES:

- NEMA 4X enclosure
- Field programmable
- Isolated inputs
- Wide temperature ranges
- Easy to install

#### APPLICATIONS:

- Bearing monitoring
- Process control
- Data logging/recording
- Temperature limit alarm
- Slurry tank
- Continuous ovens
- Storage/ Process Tanks



#### EACH SYSTEM INCLUDES AS STANDARD:

Programmable Scanner With Digital Display ● Hi/Lo Global Relays SPDT ● NEMA 4X Window Enclosure (Thermocouples not included)

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## SPECIFICATIONS:

### POWER REQUIREMENTS

120 VAC, OR 230 VAC,

± 10% @ 50/60 HZ

### ENVIRONMENTAL

#### **OPERATING AMBIENT:**

32°F TO 122°F (0° TO 55°C),

10% TO 90% NON-CONDENSING

#### **STORAGE TEMPERATURE:**

- 40°F TO + 155°F

### CONSTRUCTION

#### **ENCLOSURE:**

NEMA 4X FIBERGLASS WITH

WINDOW COVER, SUITABLE FOR

WASH DOWN OR HOSE DOWN AREAS

#### **ASSEMBLY:**

CIRCUITRY IS CHASSIS MOUNTED, DIGITAL

DISPLAY AND KEY PAD ARE FRONT PANEL

MOUNTED BEHIND ENCLOSURE WINDOW

#### **CONNECTIONS:**

SCREW TYPE TERMINAL

### FUNCTIONAL

#### **THERMOCOUPLE RANGES**

TYPE K = - 418 TO 2507°F (- 250 TO 1375°C)

T = - 418 TO 752°F (- 250 TO 400°C)

J = - 310 TO 1832°F (- 190 TO 1000°C)

E = - 418 TO 1652°F (- 250 TO 1000°C)

#### **DISTANCE:**

THERMOCOUPLE TO MONITOR:

2,000 FEET WIRE RESISTANCE EFFECT

FROM THERMOCOUPLE TO MONITOR IS,

1° TEMPERATURE DROP FOR EVERY 100

FEET OF WIRE

#### **INPUT CHANNELS:**

6 OR 12 FULLY ISOLATED INPUTS

#### **DISPLAY:**

12 CHARACTER VACUUM FLUORESCENT

#### **DISPLAY TIME:**

ADJUSTABLE FROM 2 TO 999 SECONDS

#### **SCAN RATE:**

3 SECONDS FOR ALL CHANNELS

#### **RESOLUTION:**

0.1° OR 1° SELECTABLE UP TO 999.9°

1° ABOVE 1000°

#### **RELAYS:**

ONE (HI) AND ONE (LO) "GLOBAL" RELAY

SPDT - 3 AMP @ 120 OR 230 VAC RES.

#### **NOTE:**

THERMOCOUPLES NOT INCLUDED

### OPTIONS

- DIGITAL OUTPUT, RS232C, ASC11  
FORMAT @ 9,600 BAUD RATE
- ANALOG OUTPUT, SINGLE  
SELECTABLE CHANNEL 4/20 mA OR  
0 - 1 VDC
- ALARM HORN 100 db
- AUXILIARY RELAYS
- THERMOCOUPLE SENSORS
- DUPLEX THERMOCOUPLE WIRE
- PRINTER
- AUXILIARY ANNUNCIATOR STATIONS
- MOTION SWITCHES
- SOFTWARE PROGRAMS FOR DATA  
RETRIEVAL

### RELATED BULLETINS

- INSTALLATION AND OPERATING  
INSTRUCTIONS: CT203
- PRICING: CT179-3
- FULL LINE CATALOG: A129

### ORDERING INFORMATION:

- CALL OUT TEMPERATURE RANGE
- SENSOR STYLE
- SENSOR (DUPLEX) WIRE
- REQUIRED OPTIONS

### **SOLD BY:**



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