Special-Purpose
Phone (260) 484-2580 • FAX (260) 482-6805 or (800) 837-6805 • www.pyromation.com

Magnet Sensors

The magnet sensors are designed to measure the surface temperature of ferrous metals with a convenient and non-destructive magnetic attachment. These sensors are designed to be mounted either vertically or horizontally and may be attached to molding press platens, bearing/motor housings and various other metal surfaces. These sensors provide stabilized temperature readings in less than 5 seconds. The magnet sensors have a continuous operating temperature of 400 °F. The T and H series can take intermittent temperatures up to 600 °F, but the pull of the magnet will be degraded at temperatures above 450 °F. The M series has a 2 lb. pull force magnet and the T and H series have a nominal 10 lb. pull force magnet.

**ORDER CODES**

**Example Order Number:**

- **1 Thermocouple Types**
  - **CODE**
  - **DESCRIPTION**
  - JMAG Type J magnet sensor
  - KMAG Type K magnet sensor

- **2 Magnet Assembly Styles**
  - **SHEATH STYLE (FIGURE 1)**
    - **CODE**
    - **DESCRIPTION**
    - T1 10 lb. Pull magnet with 5/16" O.D. sheath
  - **PHENOLIC HANDLE STYLE (FIGURE 2)**
    - **CODE**
    - **DESCRIPTION**
    - H2 10 lb. Pull magnet with handle
  - **MINIATURE STYLE (FIGURE 3)**
    - **CODE**
    - **DESCRIPTION**
    - M2 2 lb. Pull magnet
      - [1] 3 inch minimum "A" dimension
      - [2] 1 inch minimum "A" dimension
      - [3] No "A" Dimension required-specify as 000

- **3 "A" Dimension**
  - Specify 3 digit "A" Dimension length in inches.

- **4 Bend Options**
  - **CODE**
  - **DESCRIPTION**
  - 00 No Bend
  - 2_ Sheath bent 45°
  - 3_ Sheath bent 90°

- **5 Extension Leadwire Type**
  - **CODE**
  - **DESCRIPTION**
  - F1 Fiberglass insulation-solid conductor
  - F1B Fiberglass insulation-solid conductor-stainless steel overbraid
  - F1A [1] Fiberglass insulation-solid conductor-flexible armor
  - F3 Fiberglass insulation-stranded conductor
  - F3B Fiberglass insulation-stranded conductor-stainless steel overbraid
  - T1 Fluoropolymer insulation-solid conductor
  - T1B Fluoropolymer insulation-solid conductor-stainless steel overbraid
  - T1A [1] Fluoropolymer insulation-solid conductor-flexible armor
  - T3 Fluoropolymer insulation-stranded conductor
  - T3B Fluoropolymer insulation-stranded conductor-stainless steel overbraid
  - [1] Not available with M1 series assembly

- **6 Terminations and Options**
  - **CODE**
  - **DESCRIPTION**
  - 0 Leads not stripped
  - 2 2" split leads, 1/4" stripped
  - 3 2" split leads with spade lugs
  - 4 Standard plug
  - 5 Standard jack
  - 6 Miniature plug
  - 7 Miniature jack
  - 8 2" split leads with 1/4" quick-disconnect female terminal lugs

- **Options**
  - **CODE**
  - **DESCRIPTION**
  - MC Mating Connector
  - CC Connector secured to leads with cable clamp
  - BX 1/2" NPT junction box connector

This document is PROPRIETARY to Pyromation, Inc.

FORT WAYNE, INDIANA 260-484-2580

PYROMATION P/N: JMAG-T1-003-00-T1B004-2

REV. 6/1/2011

J. BROWN

CATALOG PAGE SP-9, FIGURE A

DATE: 6/1/2011

DWG. NO. & SHEET NO: B287501

DWG. NO. & SHEET NO: B287401

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CATALOG PAGE SP-9, FIGURE B

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CATALOG PAGE SP-9, FIGURE C

DATE: 6/1/2011

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