

Micro Thermo Technologies™

MT-700 Monitoring Node



Key Features:

- 18 Universal Inputs
- Advanced alarming, including 2 alarm sets plus cumulative alarm
- Easy set up and at-a-glance status through Windows® interface
- Quickly disable alarms during maintenance, with automatic reactivation
- Error-free changeover of dual temperature cases
- View historical performance, with readings every minute for 5 years
- Integrate existing sensors into MT Alliance™ for improved visibility



Product Overview:

The Micro Thermo Technologies™ MT-700 Monitoring Node is an electronic controller dedicated to sensor input, monitoring, and alarming. It features 18 universal inputs—compatible with a wide range of sensor and signal types—for monitoring any point and process in a store. Advanced alarming includes two alarm sets plus a cumulative alarm, to ensure proper system operation and decrease product shrinkage.

The monitoring node is a part of the Micro Thermo Technologies monitoring and controls platform, and integrates into the MT Alliance™ software. Together, they provide enhanced visibility into any system within a store. Whether it is real-time sensor status, historical graphing, or comprehensive change tracking, make sure you have the right information to make the right decisions.



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Specifications:

Power Supply

24VAC, 50/60Hz
20VA max

Analog Inputs

(18) Universal Inputs:

- Micro Thermo 10K thermistor
-58°F to 302°F (-50°C to 150°C)
- 0-5 VDC (Ratiometric)
- 0-10 VDC
- 4-20mA (with external resistor)
- PT1000
-148°F to 617°F (-100°C to 325°C)
- Switch (dry contact)

Network Connection

(1) LonWorks® TP/FTT-10 Network @ 78kbps

Wire: 18 AWG 7/26 stranded unshielded twisted pair
(Belden 8461 or equivalent)

Operating Temperature

-13°F to 140°F (-25°C to 60°C)
0-90% RH (non-condensing)

Storage Temperature

-13°F to 140°F (-25°C to 60°C)
0-90% RH (non-condensing)

Mounting

Wall mount or DIN rail (EN 50022)

Dimensions

8.90 x 5.97 x 2.14 inches
226 x 152 x 54 mm

Compliance

UL/CUL (Recognized per UL 508)

RoHS

CE

Wiring

Extractable Screw Terminals

Wiring Diagram:

