

CP866D

Infrared Temperature Sensor Controller

With Integrated Power Supply

innovation products inc.
sales & engineering representatives



For Use with Raytek Infrared Sensors*



Features

- ▶ Provides standard interface with all Raytek Sensors
- ▶ Easy to program 1/8 DIN Controller
- ▶ Relays for process control
- ▶ Internal terminal block for easy wiring
- ▶ External trigger for laser control or wired to customer specifications
- ▶ Fuse to protect internal components
- ▶ Wallmount flanges for convenient mounting
- ▶ Supports Raytek DataTemp® Multidrop Software via HART or RS485 connection
- ▶ Can be networked with other Raytek Sensors

*Compatible Raytek Sensors

The CP866D Infrared Temperature Sensor Controller is compatible with all Raytek Sensors, which includes:

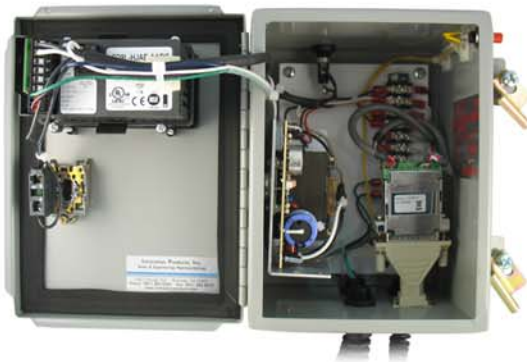
- CI Series†
- MI Series
- GP Series††
- TX Smart Series**
- MA Series
- MR Series
- MM Series
- FA Series
- FR Series

†Not compatible with serial communications

†Raytek Panel Meter required

**HART Adapter only

(Sensor not included)



1. Fuse
2. External Trigger
3. Open Port Relay
4. COM 1 - DB25
5. Power Cable
6. Data Cable

Specifications

Dimensions	8" x 6" x 6"
Material	16AWG Carbon Steel
Color	Gray powder finish
Controller	1/8 DIN horizontally mounted temperature controller
Universal Input	Supports: Most thermocouples (grounded/ungrounded) RTD (2-wire, 3-wire, and platinum) Process Input (scalable 0-20mA & 0-10VDC) Inverse Scaling

Power Input	100-240 VAC 50/60Hz with 2A fuse on power switch
Power Output	24VDC @ 1.7A max. (Powers sensor/communication kit)
Serial Output	RS-485 (4-wire) to RS-232 (DB25)
Environment	0-149°F Operating temperature Humidity 0-90% RH non-condensing
Trigger	Normally open 5V rated momentary switch
Weight	21lbs.

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Part Number

Specify part number as follows:

CP866D - A - B C D - E - F

A - Digital Communications Kit (Standard DB25 Connectors)

- A = No digital (DB25 Connector included, but not wired)
- D = RS-485 (4-wire) to RS-232
- N = RS-485 Network (485 to 232 converter not included)
- H = HART Adapter included

B - Cable Length (12, 25, 50, 100, and 200ft. available for Marathon Series)

C - Type of Cable

- M = Marathon cable from Raytek (12-wire)*
- 2 = 2-Wire cable
- 4 = 4-Wire cable
- X = X Number of wires in the cable

***D - Marathon Cable (For MM, MR, FA, FR)**

- L = Low temp. (Max ambient temperature 150°F)
- H = High temp. (Max ambient temperature 350°F - Teflon cable)
- (Leave blank if not applicable)

E - Power Supply

- X = Number of watts (40-watts standard)

F - Output and Control Options

- M = Mechanical relay (Normally open 2A) (Standard)
- P = Process output (User selectable 0-20mA/4-20mA)

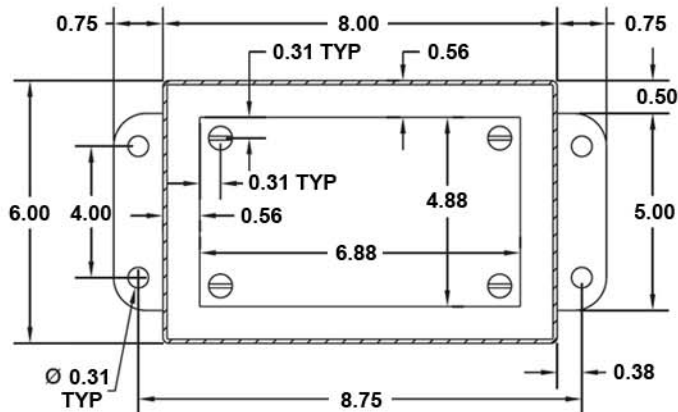
* For additional options, please contact Innovation Products.

Example:

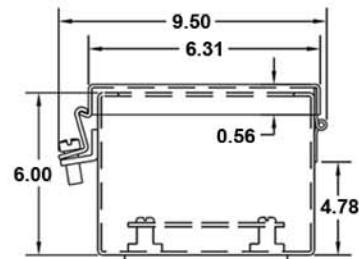
CP866D-D-12MH-40-M

An 8x6 enclosure with RS-485 to RS-232 interface, a 12' Hi-temp marathon cable, 40 Watt (24VDC@1.7A) power supply, and relay output.

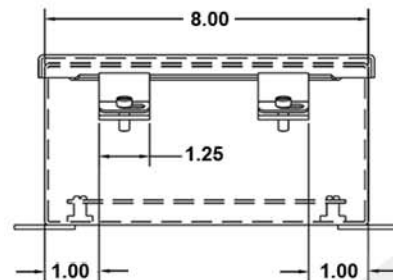
Dimensions



(Front View)



(Top View)



(Side View)