

## General Information

### Remote Electronic Controller

**Housing:** Aluminum AL6, Oven baked black paint

**Housing Rating:** IEC IP66, DIN, 89011

**Weight w/o Cable:** 1.7 Kg

**Connector:** IP65 Plug/Socket

**Cable Length:** 1.5 M

### Remote Lenses:

**Precision Rectangular Slit:** FOV: 1/2° x 5°, 1/2° x 15° & 1/2° x 25°; rated 160°C .

**Stainless Rectangular Slit:** FOV: 2° x 15°; rated 400°C .

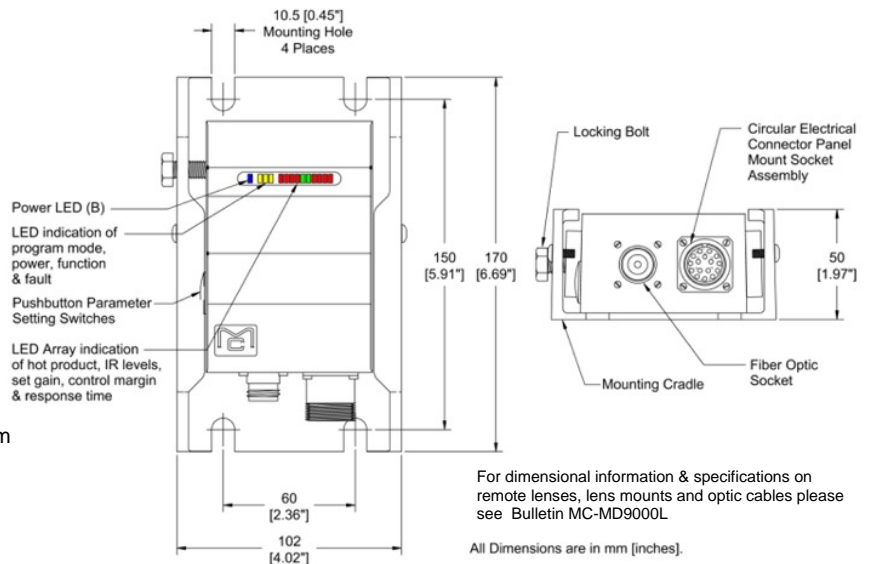
**Stainless Tubular Spot:** FOV: 1°, 2°, 4° or 7°; rated 180°C or 400°C .

**High Temperature Quartz Rod:** FOV: 1°; rated 1000°C.

### Fiber Optic Cables:

Flexible Armored Stainless Sheath available in lengths from 2 meters to 15 meters in 1 meter lengths; rated 400°C.

## Dimensions



## Model MD95100 Remote Elec-

## General Specifications

Sensing Element	InGaAs Photodiode	Supply Voltage	80 –240 VAC 50/60HZ and 24 VDC ± 10%
Power Indication:	Blue LED	Power Consumption	5 VA
Function Indication	Outer Yellow LEDs	Operating Temperature	-20°C to +55°C (-4°F to 131°F)
% I. R. Signal	Red/Green/Red LEDs	Storage Temperature	-25°C to +75°C (-13°F to 167°F)
Remote Self-Check	Middle Yellow LED	Output (#1)	Cradle Relay Output, SPNO, 240 VAC, 8A with 20 msec response time.
Min/Max I.R. Threshold settings	Down to 270°C (518°F) and up to 1000°C (1832°F) via programming switch	Output (#2)	Reed Relay Output, SPNO, 240VAC, 0.5A 2 msec response time.
Response Time:	1 msec. min to 250 msec max., via programming switch	Output (#3) and (#4)	PNP and NPN Transistor Outputs, N.O., 500 mA, 45 VDC, 2A peak (requires 24VDC supply)

### Smallest Detectable Product when utilizing a 1/2° x 25° Lens

The table below identifies the minimum % of vertical field of view required with hot steel at stated temperature for it to be repetitively detected.

Indicative Preset Thresholds		
Steel Temp.	350°C Preset Trip	Nominal 450°C Preset Trip
400°C	10%	Not Detectable
450°C	5%	100%
500°C	1%	60%
500°C	1/2%	20%
800°C	Less than 1/2%	Less than 5%

### North America & Asia Terminal Connections

Pin No.	Wire Color*	Function
1	Pink	Self-Check to + 24 VDC Supply
2	Red	+ 24VDC Supply
3	Black (Brown)	80-240 VAC Supply (L1)
4	White (Blue)	Supply Neutral (L2)
5	Violet	PNP Transistor Output (#3)
6	Blue (Black)	0VDC (For 24VDC Supply)
7	Green	Ground
8	Brown (White)	Cradle Relay Output (#1) N.O. Contact
9	Orange	Cradle Relay Output (#1) N.O. Contact
10	Light Blue	NPN Transistor Output (#4)
11	Yellow	Reed Relay Output (#2) N.O. Contact
12	Grey	Reed Relay Output (#2) N.O. Contact

\* European connections are shown in parenthesis

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We reserve the right to alter specifications without prior notice. Specifications without tolerances are typical values.

Your Local Sales Representative:



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