

INSPEXTOR

PRODUCT SPEC SHEET

MHTi-NODE-90-CCRS485

The Inspextor platform is a **PoE Lighting Management System** providing building automation and data collection. PoE systems are safe and efficient low voltage platform.

FEATURES

- Fixture Agnostic up to 72 Watts - Internal or Optional Remote Mount
- Engineered to Respond to the MHTi - Peripheral Communication Network
- RS485 Protocol
- 0-24V analog input
- Automatic Network Discovery
- Ultra High Electrical Conversion Efficiency of 98%
- Supports Optional MHTi Battery Backup
- Features a Dimming Range of 1% to 100%
- Dual channel color tuning fixture support

GENERAL INFORMATION

Warranty 5 Year Limited Warranty (Covers Standard Components)

Finish White Powder Coating

Construction Sheet Metal

Certifications



NODE POWER INPUT CHARACTERISTICS

Input Voltage 40-60Vdc

Peak Operating Power 80W max

Nominal Standby Power 1.35W

PoE Input Connection Unshielded female RJ45 jack for CAT5e/6/6A cable to PoE PSE device.

Device Type Class 2 electrical device

NODE DRIVER CHARACTERISTICS

Output Channel Flexible power and control options are available for either up to eight individual fixtures using the MHTi-SPLT-1x4 splitter or for two-channel fixtures

Driver Design Common anode constant current LED driver design

Dimming Full range 1% to 100% dimming control in 1% increments via PWM

Output Voltage Range 34-44Vdc for constant current version

Rated Output Power Dual Channel Output: 72 watts
Single channel Output: 60 watts

Protection Each individual LED driver channel has current limit and short circuit protection

Connections Unshielded female RJ45 jack for CAT5e/6/6A cable to PoE PSE device.

NODE AUXILIARY DEVICE CHARACTERISTICS

Power Supply 24VDC @ 1 Amp

Communication RS485A

Sensor Inputs RS485B

Connections Spring Cage Clamp



Inspextor is a **PoE Lighting Management System** providing building automation and data collection. **Integrate:** connect your building's systems and technology in one easy-to-use software rather than trying to manage them all separately. **Monitor:** use the dashboard to monitor data collected on your building's energy usage, air quality, occupancy, and more. **Automate:** create automations that streamline your building's operations, work towards green building initiatives, and improve environments for your occupants.

 **MHT Technologies**

Innovation Lab:

241 W. 37th St., Suite 1202, New York City, NY 10018

HQ & Warehouse:

1961 Richmond Ter, Staten Island, NY 10302

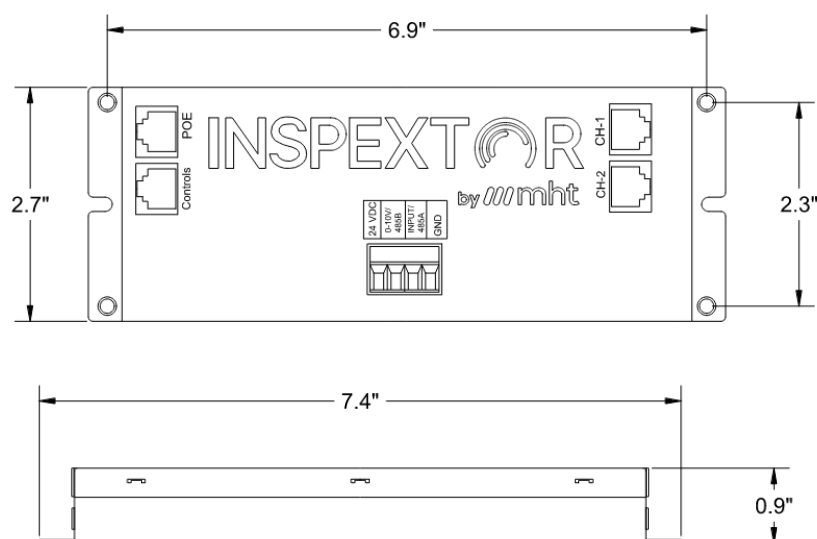
Tel: 718 524 4370

www.mht-technologies.com



MHT Technologies, reserves the right to make any design changes for continuous improvement which will not affect the overall appearance or performance.

PRODUCT DIMENSION



MHTi-NODE-90-CCRS485 I/O Points

I/O LABEL	Termination Type	Notes
24VDC	Phoneix	Enabled
0-10V/485B*	Phoneix	RS-485 Enabled
INPUT/485A*,**	Phoneix	RS-485 Enabled
GND	Phoneix	Enabled
CH-1	RJ45	Programmable for Constant Current Fixtures
CH-2	RJ45	Programmable for Constant Current Fixtures
CONTROLS	RJ45	Programmable for MHT Approved Control Devices

NODE CONTROL PORT CHARACTERISTICS

Power Supply	24VDC @ 0.5Amps for powering external sensors
Sensor Inputs	0-24V/RS485
Connections	<i>MHTi-RJM-3WIRE</i> and <i>MHTi-RJF-3WIRE</i> adapter enables universal connections (24VDC, Trigger, GND) to Control Devices.

NODE DIMENSIONAL DATA

Node Dimensions	7.303" (185.5mm) L x 2.755" (70mm) W x 0.846" (21.5mm) K
Mounting	4 Mounting holes: 6.948" (176.5mm) L x 2.125" (54mm) W
Origin	Made in USA

NODE ENVIRONMENTAL REQUIREMENTS

Operating Temperature	-20°C to 50°C
Operating Humidity	10% to 80% RH non-condensing
Storage Temperature	-20°C to 85°C
Storage Humidity	5% to 95% RH non-condensing

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