INSPEXTOR

PRODUCT SPEC SHEET

MHTi-NODE-90-CVRS485

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

FEATURES

- Fixture Agnostic up to 70 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-1×4 splitter or for two-channel fixtures
Driver Design	Common ground constant voltage LED driver design
Dimming	Full range 1% to 100% dimming control in 1% increments via PWM or CVR (Constant Voltage Resolution)
Output Voltage Range	12-48Vdc for constant voltage
Rated Output Power	Channel Output: 70 watts @ 48V,36V Channel Output: 60 watts @ 24V Channel Output: 40 watts @ 12V
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 AUXILARY 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

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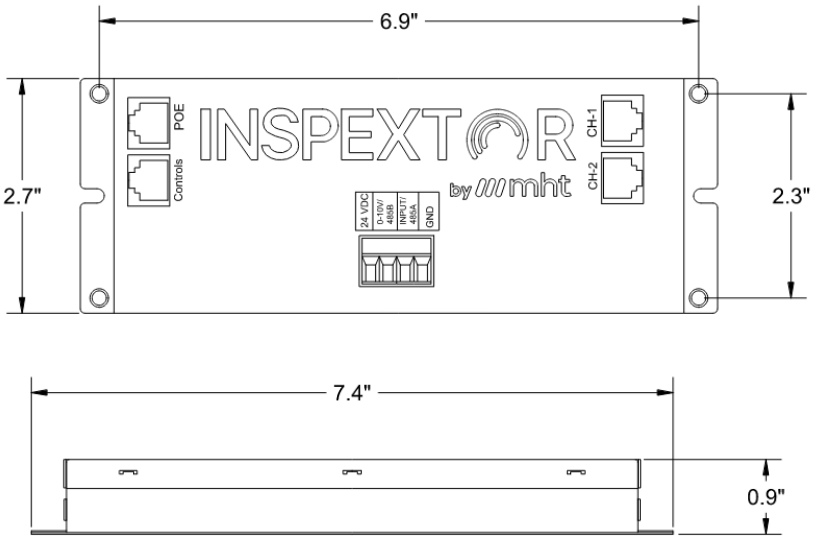
PRODUCT DIMENSION



MHTi-NODE-90-CVRS485 I/0 Points		
I/0 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 Voltage Fixtures
CH-2	RJ45	Programmable for Constant Voltage 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	*MHTi-RJM-3WIRE* and *MHTi-RJF-3WIRE* 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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