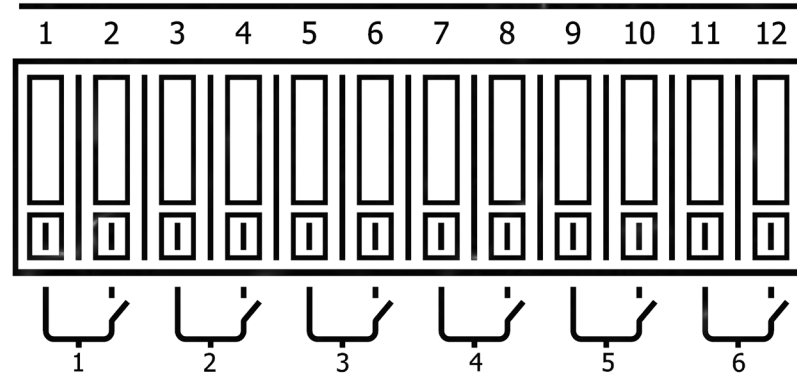


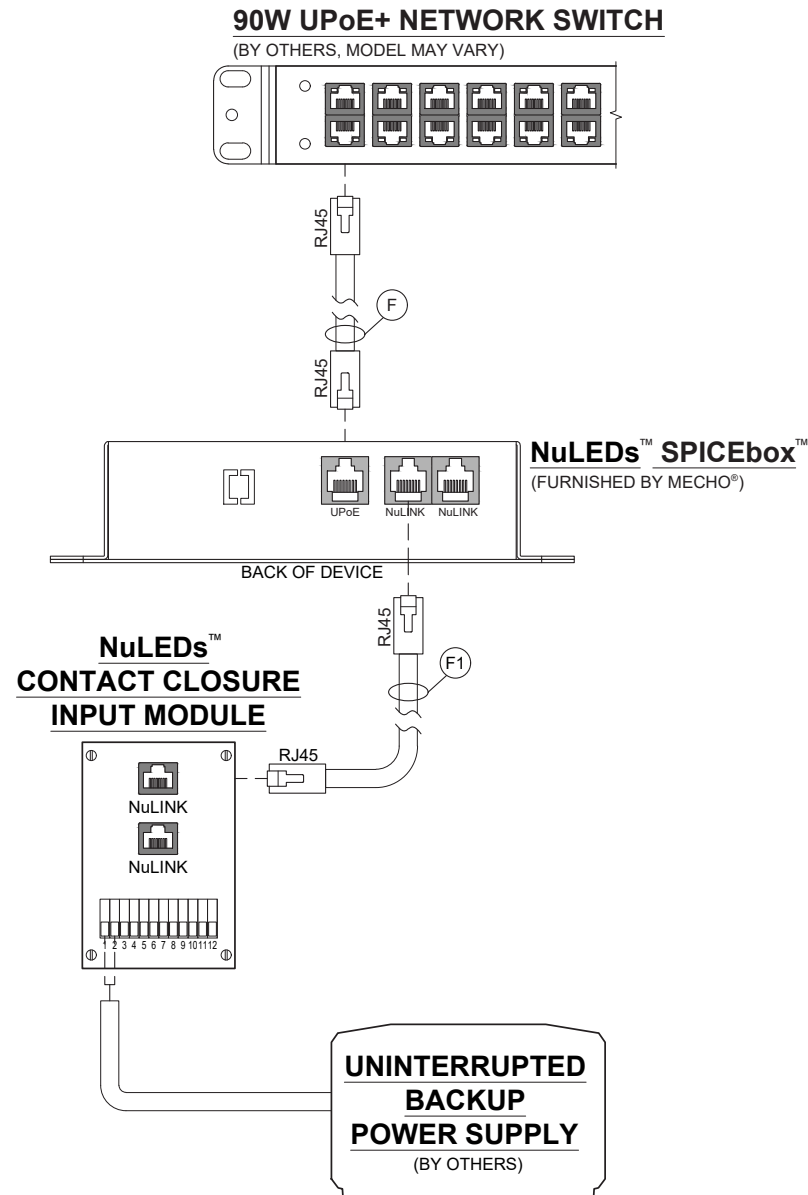
Contact Closure Input Module Wiring

This wiring diagram depicts a 6-pin contact closure input board for handling six individual contact closure inputs. Each input is connected using orange (V+) and blue (V-) wires. Terminals 1 through 6 represent the input connections, where each pair of pins corresponds to a single contact closure. This setup ensures that each input receives power and signal via the designated orange and blue wires.



Contact Closure Input Module on UPoE & NuLink™ Network

NOTE: Only one Contact Closure Input Output Module can be connected per SPICEbox™.



Troubleshooting

Problem	Possible Cause	Correction
Inputs not functioning.	• No power supply to inputs.	• Verify the power source is active and delivering the correct voltage.
	• Closure inputs are not properly connected or configured.	• Recheck and secure all closure input connections.
No NuLINK connection.	• RJ45 cable is disconnected or damaged.	• Verify and reseal the RJ45 cable connection.
	• NuLINK device is not operational.	• Test the NuLINK device for proper functionality.

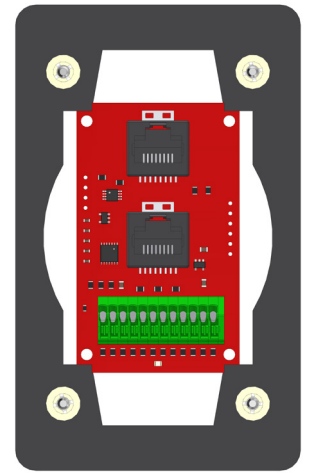
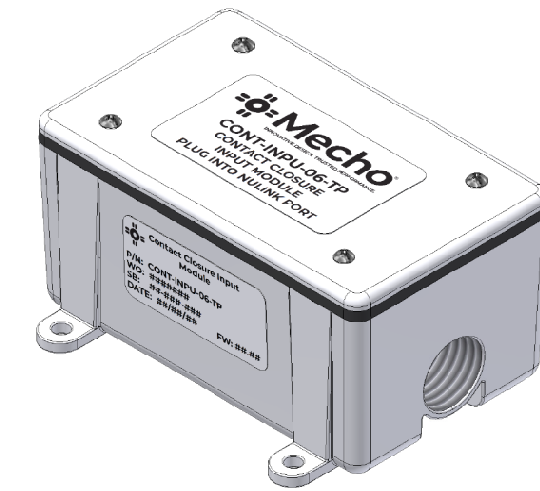
Contact Closure Input Module

SM216

Installation Guide

! IMPORTANT DOCUMENT—DO NOT DISCARD

Stock#	Description
CONT-INPU-06-TP	Contact Closure Input Module



Features

- Versatile Integration**
 - Interfaces with a wide range of systems using dry contact closures.
 - Compatible with sensors, switches, relays, and third-party control systems.
- Expandable Capacity**
 - Six input channels for connecting multiple devices or sensors.
 - Easily add additional boards for system expansion.
- Flexible Control**
 - Configurable inputs to trigger actions within the NuLEDs PoE lighting system or other integrated systems.
 - Supports control of lighting, HVAC, security features, and more.
- Seamless Automation**
 - Automates responses based on external triggers, such as occupancy sensors or manual switches.
 - Enables automatic lighting adjustments and custom scene activations.
- Enhanced Customization**
 - Tailor control scenarios to meet specific needs.
 - Supports programming for unique interactions, including Demand Response triggers.
- Reliability and Compatibility**
 - Proven reliability of dry contact closures ensures seamless communication.
 - Compatible with a broad range of devices and systems.
- Scalability and Future-Proof Design**
 - Modular design allows for easy expansion and adaptation to new technologies.
 - Accommodates evolving system requirements over time.
- Plug-and-Play Installation**
 - Uses CAT cables for quick and easy setup
 - Integrates seamlessly with NuLEDs PoE lighting systems, supporting ALS, PIR sensors, and wall controllers.

Warranty

Mecho's warranty ensures its products against defects in materials and workmanship for up to 25 years. The warranty timeline shall vary for different products. For complete warranty information, please visit <https://www.mechoshade.com/warranty> or contact your Mecho® Representative.

Technical Support

T: +1 (800) 327-9798 (Follow prompts for Mecho and Tech Support)

W: www.mechoshade.com **E:** techsupport@mechoshade.com

Mecho® reserves the right to make improvements or changes in its products without prior notice. However, every attempt is made to ensure the information herein is accurate and up to date. Verify with Mecho® to confirm the product availability, latest specifications, and suitability for your application.



(800) 327-9798
mechoshade.com

Specifications

Equipment Kit	
Contact Closure Input Module	
Hardware	
Standby Power	<1 Watt
Power Supply	SPICEbox™ NuLINK™ Bus
RJ45 Ports	2 Ports
Protocols	NuSPICE™
Wiring	Category 5e/6 Ethernet cable to EIP SPICEBox
Maximum Wiring Length	50 ft. from SPICEbox™
Mechanical	
Dimensions (L X W X H)	6.4 in. x 5.08 in. x 1.48 in. (162.56 mm x 129.03 mm x 37.59 mm)
Weight	~0.48 lbs. (~0.21 kg)
Mounting	Housing Wall mounted with screws and wall anchors.
Dimming	Programmable with NuSPICE™
Environmental	
Operating Temperature	32° to 104°F (0° to 40°C) ambient
Humidity	10-80% Non-Condensing
Agency Listings and Compliance	
FCC Class A Compliant	
CE Compliant	
RoHS	

Warning

- **Caution** - Observe precautions for handling electrostatic sensitive devices.
- Do not use outdoors.
- **Warning** - Risk of Electric Shock. Do not handle energized module with wet hands or when standing on wet or damp surfaces.
- Conforms to CE, FCC standards
- **Warranty** - Voided if device has been modified from its original configuration.

Electrical Notes

- Refer to the Technology plans for PoE cabling, raceway, rack, and equipment locations. Also, refer to the Technology Elevation drawings for the UPoE switch, Power Panel, and rack requirements.
- Coordinate the device mounting locations with Mecho® Project Management. Devices that are shown above hard ceilings should be shown in an adjacent and accessible location. Devices can be group-mounted where applicable.
- Provide a pullbox or mount the devices above the ceiling bracket. Refer to the details for additional mounting information.
- Ensure that all the required terminations and cabling are provided by the contractor to allow for a complete system. The contractor should verify all the wiring lengths before installation and label all the required cabling according to Mecho® requirements.
- PoE ports for shading should be grouped together on dedicated gateways. If this is not possible, Mecho® should be notified, and mutually agreeable arrangements should be made to minimize support concerns.
- The number of luminaries connected to the SPICEbox™ depends on the wattage of the network switch.
- Do not daisy chain PIR sensors to PIR sensors, ALS sensors to ALS sensors, or Wall Controllers to Wall Controllers.
- The input wattage determines the maximum light load watts that can be connected to any given SPICEbox™.
- Locate the SPICEbox™ in an accessible location, closest to the luminaire, and make the connection. Coordinate the exact locations with the architect before installation.
- Each channel has an independent current setting. Fixtures with different current values can be connected separately on the same SPICEbox™.

Installation

1. Plug into NuLINK port.
2. The board has six dry contact closure inputs. Ensure no power is running through these inputs (max 3.3 V).
3. Use a screwdriver and pliers to open the box knockouts for wiring.
4. Remove the lid.
5. Connect the wires to the contact closures securely.
6. Replace and tighten the lid.
7. Plug the RJ45 cable into NuLINK port.
8. Secure the cable near J-Box in a strain release function.

Dimensions

