Overview

Control-Link® Control and Monitoring System provides remote on/off control, dimming, system monitoring, and management of your lighting system.

Features

- Engineered to work with Musco's TLC for LED® lighting technology
- Durable construction may be mounted inside or outside
- Factory assembled and wired, in our UL-authorized manufacturing facility

Control

- Lighting system and auxiliary equipment
- Control options: Control-Link website, smartphone app, phone call, or email up to 10 years in advance
- Seven controllable lighting zones
- Three customizable dimming levels (factory set at 100%, 50%, 20%)
- Door-mounted or remote-mounted off/on/auto switches allow for manual override of automated control

Monitoring

- Detects luminaire outages and other issues that affect light quality

Management and Support

- Control-Link Central™ service center provides support 24 hours a day, 7 days a week for scheduling, monitoring, and reporting
- Luminaire outage notification within the next business day
- Multi-level user security settings
- Customized usage reports through website

Technical Specifications

Control and Monitoring Cabinet Ratings

UL 508A Listed E204954

CE declaration . . . . LVD, EMC, RoHS

IEC 60439-1 compliant . . . . UL test report 05NK26317

IEC Emissions/Immunity . . . . Class A compliant

Operating temperature . . . . -4˚F to 140˚F (-20˚C to 60˚C)

FCC Part 15 . . . . Class A compliant

Weight for 72 inch (1829 mm) cabinet . . . . 180 lb (82 kg)

Weight for 48 inch (1219 mm) cabinet . . . . 140 lb (64 kg)

Lighting circuit voltage . . . . up to 480 V

Short Circuit Current Rating (SCCR)

> with 30 A contactors* . . . . .18 kA

> with 60 or 100 A contactors* . . . . .25 kA

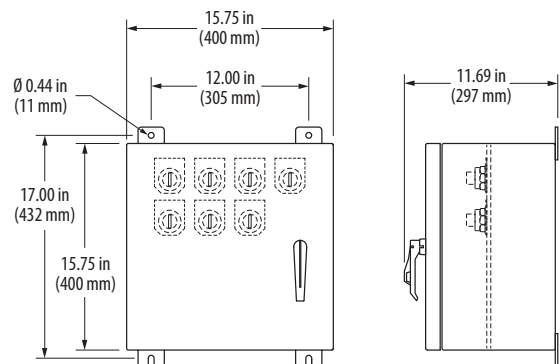> *Minimum circuit breaker interrupt rating must be greater than or equal to SCCR rating listed above.

Construction

- NEMA type 4 (IP65) cabinet
- Powder-coated aluminum 5052 H32 cabinet and panel
- Lockable, 3-point latch
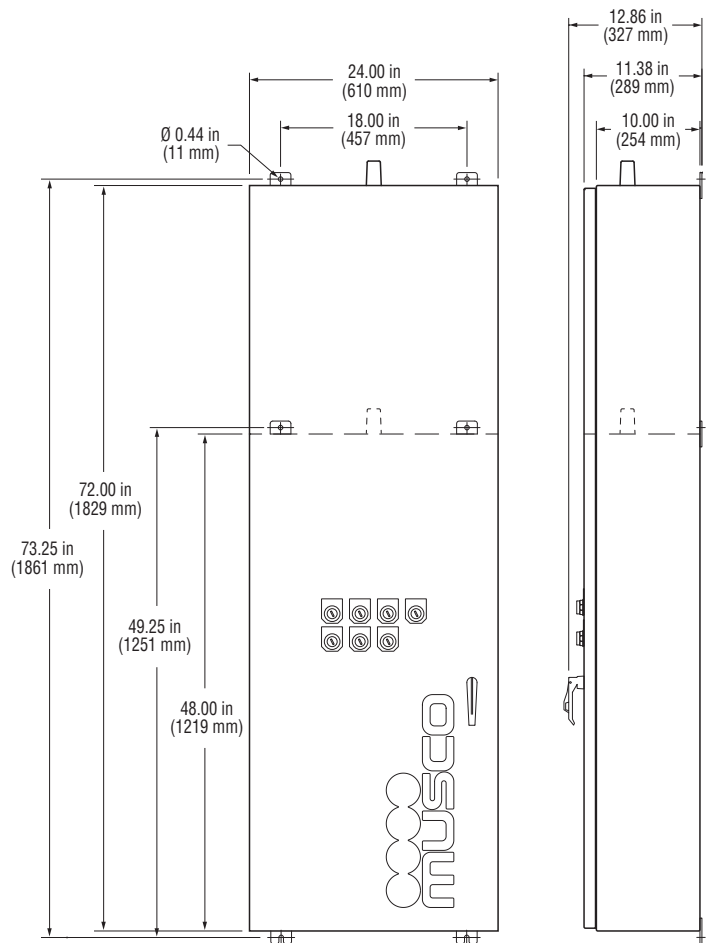
Off/On/Auto Manual Switches Cabinet (optional)

- NEMA type 4 (IP65) cabinet
- Powder-coated aluminum 5052 H32 cabinet and panel
- Lockable door
- Hinged interior panel for switch mounting

Remote Wireless Antenna Cabinet (for wireless communication)

- Cast aluminum with texture gray paint finish
- Omnidirectional antenna
- Operating temperature: -40˚C (-40˚F) to 85˚C to (185˚F)
- Frequency: 900 MHz, 868 MHz, or 2.4 GHz

Manual switches cabinet
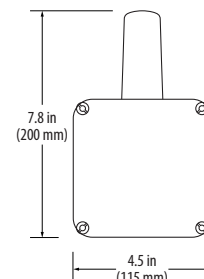
Remote wireless antenna cabinet

Internal Details

- Factory wired, programmed, and tested
- Internally fused
- Control power terminal blocks provided
- One control circuit operates entire cabinet
- Plug-in wire harnesses provided to connect multiple cabinets

Control Module

Receives and stores schedules from Control-Link Central™ service center, operates your equipment, and verifies schedules were carried out.

- Executes scheduled on/off or dimming events.
- Stores schedules for up to 7 days
- Reboots automatically and executes current schedule when power is restored, in case of power interruption
- Monitors Musco lighting system and reports issues to keep facilities operating and to help plan routine maintenance
- Alerts Control-Link Central service center to schedule appropriate action or maintenance

Communication Modules

Communication with Control-Link Central via integrated, high speed, cellular connection with no additional monthly charges during the warranty period.

Communication with light poles via powerline communication or wireless communication.

- Wireless communication requires a dedicated antenna, mounted minimum of 3 ft (0.91 m) above the cellular antenna and 7 ft (2.13 m) total distance away with line of sight to lighting poles.

Contactor Modules

Tested and UL-listed for continuous operation. Field wiring terminated at load side of contactors for lighting circuits.

Ground Bar

Provides integral ground bar for lighting equipment grounding.