

## Lighting Contactor Controller



### 1. Scope

This standard covers the requirements for lighting contactor controllers.

This standard applies to the following Seattle City Light Stock Number: **012776**

### 2. Application

Contact relay switch controllers allow control of multiple streetlights with a single street light photocontrol. The number of streetlights capable of being controlled is limited by the load rating of the contactor. Photocontrol unit, Stock Number 569333, is wired remotely from the contactor.

### 3. Industry Standards

Contact controller enclosures shall meet the applicable requirements of the following industry standards:

**NEMA Standards Publication 250-2003**, Enclosures for Electrical Equipment (1000 volts maximum)

**ANSI/ IEC 60529-2004**, Degrees of Protection Provided by Enclosures (IP Code)

### 4. Detailed Requirements

**Manufacturer:** Ripley Lighting Controls

**Catalog Number:** **CC-100-3-NO-E-M-U-H-120-277**  
with one **A004001**

Where:

- CC** = Electromagnetic contactor
- 100** = Load amps per pole
- 3** = Number of poles
- NO** = Normally open
- E** = NEMA 4X (Weatherproof)  
Corresponding generally to ANSI/ IEC 60529
- M** = Without photocontrol receptacle (wired for remote)
- U** = Breaker on load side
- H** = Hand-off-auto switch
- 120-277** = Control voltage with multi-tap control transformer
- A004001** = 24-inch mounting bracket

Enclosure shall be fabricated from type 304 or 316 stainless steel.

## 5. Design Changes

Manufacturer shall inform Seattle City Light in writing of all design changes that could affect the product's understood or published capabilities.

## 6. Packaging

Contactors shall be individually packaged to prevent damage during shipping, inside storage, and casual handling prior to installation.

A mounting bracket shall be bundled with each contactor controller.

Each individual package shall be marked with the following information:

- Manufacturer's identification
- Product description
- Seattle City Light's Purchase Order Number
- Seattle City Light's Stock Number

Each contactor controller shall be provided with installation instructions and an internal schematic diagram.

## 7. Issuance

Stock Unit: EA

## 8. References

**Shipek, John**; SCL Standards Engineer, subject matter expert and originator for 5732.03  
(john.shipek@seattle.gov)

**[www.ripleylightingcontrols.com](http://www.ripleylightingcontrols.com)**

## 9. Sources

**SCL Material Standard 5685.00**; "Lighting Contactor Controller" (canceled/renumbered)