

SECTION 26 09 43 {13846}

NETWORK LIGHTING CONTROLS

{NETWORKED LIGHTING CONTROL}

This section includes lighting control system using network wiring and components.

Manufacturers listed in this section were identified as representative and not as an endorsement for meeting this specification. For additional product information, visit 4Specs at www.4specs.com, ARCAT at www.arcat.com, First Source at www.reedfirstsource.com, SpecSource at www.specsource.com, and Sweets Network at products.construction.com.

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at supportcenter@csrf.org to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at www.spectext.com for current product announcements.

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Networked lighting control system and components.

B. Related Sections:

1. Section 23 09 23 - Direct-Digital Control System for HVAC: Execution requirements for interfacing direct digital control systems with lighting control system specified in this section.
2. Section 25 50 00 - Integrated Automation Facility Controls: Execution requirements for interfacing with lighting control system specified in this section.
3. Section 26 05 03 - Equipment Wiring Connections: Execution requirements for electric connections specified by this section.
4. Section 26 05 33 - Raceway and Boxes for Electrical Systems: Product requirements for raceway and boxes for placement by this section.
5. Section 26 05 53 - Identification for Electrical Systems: Product requirements for electrical identification items for placement by this section.
6. Section 26 27 26 - Wiring Devices: Product requirements for wiring devices for placement by this section.

C. Related Sections:

1. Section 13800 - Building Automation and Control: Execution requirements for interfacing with lighting control system specified in this section.

2. Section 15910 - Direct Digital Controls: Execution requirements for interfacing direct digital control systems with lighting control system specified in this section.
3. Section 16075 - Identification for Electrical Systems: Product requirements for electrical identification items for placement by this section.
4. Section 16128 - Raceway and Boxes for Electrical Systems: Product requirements for raceway and boxes for placement by this section.
5. Section 16140 - Wiring Devices: Product requirements for wiring devices for placement by this section.
6. Section 16150 - Wiring Connections: Execution requirements for electric connections specified by this section.

1.2 REFERENCES

List reference standards included within text of this section. Edit the following for Project conditions.

- A. Federal Communications Commission:
 1. Standard for Radio Frequency Equipment.
- B. Government Electronics and Information Technology Association:
 1. EIA 709.1 - Control Network Protocol Specification.
- C. National Electrical Manufacturers Association:
 1. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum).
- D. National Fire Protection Association:
 1. NFPA 70 - National Electrical Code.
 2. NFPA 262 - Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces.
- E. Underwriters Laboratories Inc.:
 1. UL 50 - Enclosures for Electrical Equipment.
 2. UL 67 - Panelboards.
 3. UL 508 - Industrial Control Equipment.
 4. UL 916 - Energy Management Equipment.

1.3 SYSTEM DESCRIPTION

Use this article carefully; restrict statements to describe components used to assemble system. Do not repeat statements made in SUMMARY Article, "Section includes" paragraph.

- A. Provide networked lighting control system consisting of components manufactured by single source.
- B. Provide networked lighting control system consisting of:
 1. Multiple relay panels linked over network wiring using open protocol for communications.