

SECTION 26 09 23 {16149}

LIGHTING CONTROL DEVICES

{REMOTE-CONTROL SWITCHING DEVICES}

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This section includes remote control switching of 120 and 277 volt lighting and general purpose branch circuits using low voltage control power. This section is intended to be used for specifying remote lighting control using hardwired components. For lighting control systems using low voltage relays or networked lighting control systems use SPECTEXT Section 25 36 26 {13845} and Section 26 09 43 {13846} respectively.

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](http://www.4specs.com), ARCAT at [www.arcat.com](http://www.arcat.com), First Source at [www.reedfirstsource.com](http://www.reedfirstsource.com), SpecSource at [www.specsource.com](http://www.specsource.com), and Sweets Network at [products.construction.com](http://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](mailto:supportcenter@csrf.org) to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at [www.spectext.com](http://www.spectext.com) for current product announcements.

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PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Remote control lighting relays.
2. Lighting contactors.
3. Switches.
4. Switch plates.
5. Occupancy sensors.
6. Photocells.
7. Photocell control unit.

B. Related Sections:

1. Section 26 05 03 - Equipment Wiring Connections: Execution requirements for electric connections specified by this section.
2. Section 26 05 19 - Low-Voltage Electrical Power Conductors and Cables.
3. Section 26 05 33 - Raceway and Boxes for Electrical Systems: Product requirements for raceway and boxes for placement by this section.
4. Section 26 05 53 - Identification for Electrical Systems: Product requirements for electrical identification items for placement by this section.
5. Section 26 24 16 - Panelboards.

6. Section 26 27 26 - Wiring Devices: Product requirements for wiring devices for placement by this section.

C. Related Sections:

1. Section 16075 - Identification for Electrical Systems: Product requirements for electrical identification items for placement by this section.
2. Section 16123 - Building Wire and Cable.
3. Section 16128 - Raceway and Boxes for Electrical Systems: Product requirements for raceway and boxes for placement by this section.
4. Section 16140 - Wiring Devices: Product requirements for wiring devices for placement by this section.
5. Section 16150 - Wiring Connections: Execution requirements for electric connections specified by this section.
6. Section 16442 - Panelboards.

## 1.2 REFERENCES

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

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A. National Electrical Manufacturers Association:

1. NEMA AB 1 - Molded Case Circuit Breakers and Molded Case Switches.
2. NEMA FU 1 - Low Voltage Cartridge Fuses.
3. NEMA ICS 2 - Industrial Control and Systems: Controllers, Contractors, and Overload Relays, Rated Not More Than 2000 Volts AC or 750 Volts DC.
4. NEMA ICS 4 - Industrial Control and Systems: Terminal Blocks.
5. NEMA ICS 5 - Industrial Control and Systems: Control Circuit and Pilot Devices.
6. NEMA ICS 6 - Industrial Control and Systems: Enclosures.
7. NEMA KS 1 - Enclosed and Miscellaneous Distribution Equipment Switches (600 Volts Maximum).

## 1.3 SYSTEM DESCRIPTION

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

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- A. Distributed switching control using self contained individually mounted lighting relays.
- B. Where indicated on drawings or required by applicable code, provide automatic shutoff for lighting inside building larger than 5000 square feet (465 square meters). Control shutoff by method conforming to ICC IECC.
- C. Where indicated on drawings or required by applicable code, provide automatic shutoff for lighting outside building. Control shutoff by method conforming to ICC IECC.