
SECTION 26 09 18
REMOTE CONTROL SWITCHING DEVICES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Programmable switching controls.

1.2 RELATED REQUIREMENTS

- A. Section 26 05 33.13 - Conduit for Electrical Systems.

1.3 REFERENCE STANDARDS

- A. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.4 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data showing dimensions and ratings for components.
- C. Shop Drawings: Indicate wiring diagrams of system, showing interface with branch circuit wiring.
- D. Manufacturer's Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of product.
- E. Project Record Documents: Record actual locations of components and record circuiting and switching arrangements.
- F. Maintenance Data: Include replacement parts numbers.

1.5 QUALITY ASSURANCE

- A. Comply with requirements of NFPA 70.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- C. Products: Listed, classified, and labeled as suitable for the purpose intended.
- D. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acuity Brands, Inc: www.acuitybrands.com.
- B. Crestron Electronics, Inc: www.crestron.com.
- C. Lutron Electronics, Inc: www.lutron.com.
- D. Substitutions: See Section 01 60 00 - Product Requirements.

2.2 PROGRAMMABLE RELAY PANELS

- A. Description: Relay cabinet with power supply, terminal blocks, and logic cards for the specified programming functions.
- B. Relays per Panel: 48.
- C. Programming Functions:

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1. Multiple Switch Control: More than 1 switch can control each relay.
 2. Pilot Status Indication: Signal for indicating relay status at remote location.
 3. Relay Grouping: Allow relays to be grouped for common control.
 4. Scheduling: Allow scheduling of 99 events each capable of switching 1 relay groups according to a programmed time schedule. Allow for up to 12 holidays.
- D. Cabinet: Surface-mounted sheet metal cabinet.

2.3 POWER LIMITED WIRE AND CABLE

- A. Remote Control Cable: Copper conductor, 300 volt insulation rated 60 degrees C, individual conductors twisted together and covered with PVC jacket.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install wiring in conduit in accordance with Section 26 05 33.13.
- B. Install relays to be accessible. Allow space for adequate ventilation and circulation of air.

3.2 CLOSEOUT ACTIVITIES

- A. Demonstrate proper operation of system.

END OF SECTION 26 09 18