

SECTION 262916

CLOCK TIMERS/CONTACTORS/PHOTOELECTRIC CONTROLS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Lighting Contactors.
- B. Clock Timers.
- C. Photoelectric Controls.

1.2 REFERENCES

- A. ANSI/NEMA ICS 6 - Enclosures for Industrial Controls and Systems.
- B. NEMA ICS 2 - Industrial Control Devices, Controllers, and Assemblies.
- C. ANSI/NFPA 70 - National Electrical Code.

1.3 SUBMITTALS FOR REVIEW

- A. Division 01 - Submittals: Procedures for submittals.
- B. Shop Drawings: Indicate outline and support point dimensions, specifications, and listings. Indicate operation and programming information. Provide manufacturers and ratings.

1.4 SUBMITTALS FOR CLOSEOUT

- A. Division 01 - Submittals for project closeout.
- B. Record actual settings and record actual circuiting arrangements in project record documents.
- C. Maintenance Data: Include spare parts listing; source and current prices of replacement parts and supplies; and recommended maintenance procedures and intervals.
- D. Provide operational and programming information.

PART 2 PRODUCTS

2.1 MANUFACTURERS - LIGHTING CONTACTORS

- A. Square D.
- B. General Electric.
- C. ASCO.

2.2 LIGHTING CONTACTORS

- A. Description: NEMA ICS 2, magnetic lighting contactor.
- B. Configuration: Mechanically held, 2 wire control for photoelectric or time clock, 3 wire control for switches.

- C. Coil Voltage: As indicated or to match circuit controlled.
- D. Poles: As indicated, plus 2 spares.
- E. Contact Rating: 20 amperes minimum or as indicated. Match branch circuit overcurrent protection, considering derating for continuous loads.
- F. Enclosure: ANSI/NEMA ICS 6, Type 1.

2.3 MANUFACTURERS - TIME CLOCKS

- A. Tork 7200ZL or 7302ZL.
- B. Paragon.
- C. Intermatic.

2.4 CLOCK TIMERS

- A. Description: NEMA ICS 2, 7-day timer with astronomical dial and 12-hour spring carry-over.
- B. Voltage: As indicated or to match circuit controlled.
- C. Poles: 3 PST.
- D. Contact Rating: 40 amperes.
- E. Enclosures: ANSI/NEMA ICS 6, Type 1.

2.5 MANUFACTURERS - PHOTOELECTRIC CONTROLS

- A. Tork 2101 or 2104.
- B. Paragon.
- C. Intermatic.

2.6 PHOTOELECTRIC CONTROLS

- A. Description: Fixed mounted, adjustable, 2-minute delay.
- B. Voltage: As indicated or to match circuit controlled.
- C. Poles: SPST.
- D. Contact Rating: 2000 watts.
- E. Enclosure: Die Cast, weatherproof, conduit mounting.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with the manufacturer's instructions.

END OF SECTION