

Design Standard Lighting Control Panelboards

Revisions Log:

Version	Date	Description of changes/updates
1a	May 25, 2015	<ul style="list-style-type: none"> • Added Wattstopper lighting control panel model

Purpose:

This design standard has the purpose of creating a consistent application of lighting control requirements throughout the East Side Union High School District, therefore achieving a standard of quality for maintenance, reliability, and operational efficiency throughout all renovation and new building projects. This design standard covers lighting control panels, and intertie of lighting to DDC EMS.

Design Standard:

1. General

- a. Intertie exterior lighting to DDC EMS.
- b. Where a separate lighting control panel is desired or required for functionality of the project, seek approval from the Facilities Director prior to incorporating an LCP into the design.

2. Exterior Lighting Controls

- a. Design two-thirds of exterior lights on a single control circuit, and one-third of exterior lights on a separate control circuit.
- b. Two-thirds of exterior lighting to be enabled via a schedule, and activate via photocell. These lights are to be on from dusk to midnight.
- c. One-third of exterior lighting to be enabled via a schedule, and activate via photocell. These lights are to be on from dusk to dawn.

3. Exterior Lighting Controls Mesh Network

- a. Wherever possible, incorporate mesh network exterior lighting controls into the design, to provide flexible and optimized controls.

Approved Manufacturers:

- WattStopper HINxxy12CC/24CC/48CC
- Alerton

Substitutes Allowed:

No substitutes allowed.

Pursuant to Section 3400 of the Public Contract Code: WattStopper lighting controls are now in use on the particular public improvement described as East Side Union High School District. At each instance in these specifications that a lighting control sensor is designated by the brand name “WattStopper”, that product is designated to support the existing controls system that is in place at East Side Union High School District. The Contractor will furnish and apply only “WattStopper” sensors as required, and no substitutions shall be deemed to be “or equal” or allowed.

Pursuant to Section 3400 of the Public Contract Code: Alerton Controls are now in use on the particular public improvement described as East Side Union High School District. At each instance in these specifications that a DDC EMS sensor is designated by the brand name “Alerton”, that product is designated to support the existing controls system that is in place at East Side Union High School District. The Contractor will furnish and apply only “Alerton” sensors as required, and no substitutions shall be deemed to be “or equal” or allowed.

Associated Design Standards and Construction Specifications:

- Division 26 Electrical Design Standards
- Division 26 50 00 Lighting Design Standard

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