

Lex Products Company Switch specification

1. The company switch shall provide a means for visiting productions to connect their own dimmers and associated equipment to house power in a safe and efficient manner.
2. Enclosure:
 - 2.1. Enclosure shall be [NEMA-Type 1 suitable for indoor use, manufactured from .075 inch cold rolled steel –OR– NEMA-type 3R suitable for outdoor use, manufactured from .075 inch cold rolled steel].
 - 2.2. Enclosure shall have (4) welded mounting tabs.
 - 2.3. Finish shall be [SPECIFY: beige OR black] powder coat paint.
3. Inputs:
 - 3.1. Contractor connections to the main circuit breaker, neutral and ground shall be internal lugs that accept up to 500mcm wire.
4. Outputs:
 - 4.1. The unit shall have a wiring chamber that contains both direct wire lugs and single pole cam connectors for external connection.
 - 4.2. There shall be [5 cams/lugs OR 6 cams/lugs].
 - 4.2.1. [IF 6 cams/lugs, SPECIFY: Provide double ground cams lugs –OR– Provide double neutral cams/lugs.]
 - 4.3. Connections shall be arranged so that cables drape downward when connected.
 - 4.4. Cables shall enter and exit the wiring chamber from access holes in the bottom of the enclosure.
 - 4.5. A lockable hinged access door shall restrict access to the wiring chamber for safety and security.
 - 4.6. The access door shall engage the shunt trip mechanism of the main circuit breaker whenever it is not fully closed, so that connections cannot be made or broken under load.
 - 4.7. The unit shall provide a spring loaded strain relief for lug cables exiting the bottom of the chamber.
 - 4.8. Output lug connections shall accommodate a maximum of 500mcm cable.
 - 4.9. A strip of white light-emitting diode work light shall light the wiring chamber whenever the access door is open.
 - 4.10. [OPTION] The ground connection shall be isolated from the frame.
5. Main Circuit Breaker:
 - 5.1. The unit shall contain a single 3-pole [60Amp –OR– 100Amp –OR– 200Amp –OR– 400Amp] electronic circuit breaker.
 - 5.2. The main breaker shall be 100% rated with a 65K AIC rating.
 - 5.3. The main breaker shall be recessed beneath the plane of the front panel of the unit to prevent accidental operation.
 - 5.4. The main breaker shall be lockout-tagout equipped.
 - 5.5. The main breaker shall be resettable to trip at 40% of its rated capacity.
6. Indicators
 - 6.1. The unit shall be equipped with light emitting diode indicator lights for each supply phase.
 - 6.2. The unit shall further be supplied with a light emitting diode indicator light indicating supply to ground continuity, labeled with an alphabetic description.
7. The company switch shall be UL and cUL Listed.
8. The Company Switch shall carry a full two year warranty from the time of shipment.
9. The company switch shall be as manufactured by Lex Products Corp., of Shelton, CT.