

RESET SWITCH SYSTEM SPECIFICATIONS

4000 SERIES

introduction

4000 Series, Reset Switch System

Lighting Control Specification

The Electrical Contractor shall supply labour, wiring and miscellaneous equipment to achieve a complete lighting control system installation as specified. Lighting control system design and equipment shall be supplied by Energy Conservation Systems Pty. Ltd. Energy Conservation Systems Pty. Ltd. shall assist the Electrical Contractor in the on-site positioning, testing and commissioning of the lighting control system.

Scope

Install energy management controls for lighting within the building as detailed in this section of the specification and as shown on the drawings.

Equipment Schedule

Work included: Items covered by this specification include:

- Contactor enclosure
- Reset switch with wall switch override
- Master momentary action rocker wall switch

equipment description

Equipment Description

> Contactor Enclosure

Supply and install a 4-Pole N/C contactor in a separate enclosure adjacent to the distribution board as detailed on the drawings. The enclosure shall be fitted out with one (1) N/C contactor and a 2.5 mm² control bus termination strip (labelled). Final master lighting control wiring shall be run via the N/C contactor to the remote reset switch for master contactor control (Note: master contactor is specified elsewhere in this Specification). All control wiring terminations to the contactor shall be labelled. Contactor shall be supplied by Energy Conservation Systems Pty. Ltd. Contactors shall be rated 20 amps AC5a, type OK01W04R.

> Remote Reset Switch (with wall switch override)

Install a 'remote reset' switch for master contactor control of lighting as shown on the drawings.

Operation

Operation of the remote reset switch shall be as follows:-

- The remote reset switch shall be installed in series with, and on the line side of the load coil to be controlled.
- If the final sub-circuit feeding the remote reset switch is pulsed off for a duration of 1 second or more, the remote reset switch shall automatically switch the controlled load OFF.
- By means of one momentary action (bell press) rocker switch connected to the remote reset switch, it shall be possible to switch the controlled load ON and OFF at all times.
- Lighting shall only be turned on by local switching
- If the mains supply is disconnected from the reset switch, the controlled lights will turn off, and remain off when the supply is reconnected. i.e. Reset to OFF

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Rating

The remote reset switch shall be rated at 240V, 8A 120uF minimum and be capable of switching inductive loads associated with the master lighting control contactor. Wiring between the remote reset switch and its associated momentary action (bell press) rocker switch shall be 2 core 1.5mm² 240V cable.

Mounting

Mount remote reset switch in ceiling space, adjacent to local lighting zone to be controlled.

Equipment type

The remote reset switch shall be manufactured by Energy Conservation Systems Pty. Ltd., type ECS 4106.00.

> Momentary action rocker switches

Provide a wall mounted 'momentary action (bell press) rocker switch' for the override control of the reset switch located as shown on the drawings.

Features

Switch shall be mounted on a flush mounting plate to approval; with HPM 770 / X mechanisms.