

Touch-Plate[®] Lighting Controls

CPS-0002

The Control Plus Series (CPS) is a line of UL listed, inexpensive, pre-assembled, modular, control panels. Using 20 amp @ 120-277v mechanically latching relays, they offer power and flexibility in controls.

They are used where flexible control of lighting or any other electrically controlled load is needed. The panels allow loads to be controlled by multiple inputs in logical control groups. They are designed to accept the following input types: CYCLE (single button momentary), ON/OFF (separate momentary on, momentary off) and MAINTAINED (single standard toggle wall switch or any sustained contact closure).

Each panel provides a 6.3vac output from each relay for lighting remote pilot lamp indicators or illuminated switches. This output can be converted into a dry contact for status feedback to a computer system. (See CPS-9000 computer interface board)

APPLICATIONS

- Anywhere a flexible programmable contactor panel can be used.
- Anywhere master control of connected loads is desired with both central (automated) control and local (manual) switching ability.
- Anywhere time-based control is desired where time of day signals are provided by other systems or clocks.
- In existing building control systems where inexpensive digital expansion is needed, or anywhere 20 amp 277 vac lighting relay control panels are required.
- Anywhere simple, switch based control is needed in conjunction with remote (pilot lamp) annunciation.
- New and remodel projects.

LOW VOLTAGE CIRCUITRY

Power supply voltages: 30 VDC-6.3 VAC
Input current to switch one relay: 3 mA's
Input current to switch both relays: 6 mA's
Maximum allowable input wiring line resistance: 100 ohms
Maximum distance for switch input wiring: 3000 ft.
Maximum distance for pilot lamp wiring: L.E.D.'s 500 ft. @ 22 awg.
Incandescent's 500ft. @ 18 awg.
Operating Temp: 0-45 deg. C
Humidity: 10%-90% (non-condensing)

RELAY (MODEL 3000-PL)

SPST Mechanically Latching Main Contact:

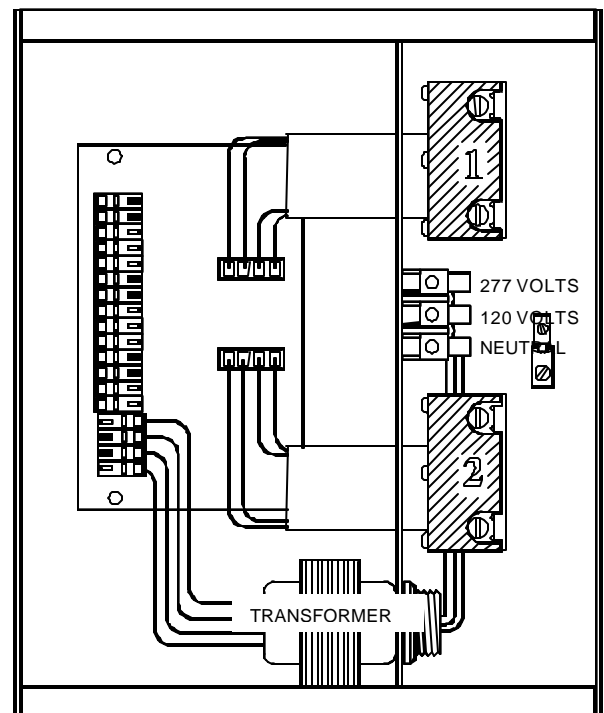
- 1.0 h.p. @ 125 VAC
- 1.5 h.p. @ 250 VAC
- 20 amps @ 125 VAC (Tungsten and Ballast)
- Auxiliary contact: 1 amp @ 6.3 VAC

TRANSFORMER

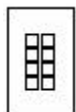
Primary Inputs: accepts either 277 VAC or 120 VAC
Secondary Outputs: 6.3 VAC @ 5.5 amps/22 VAC @ 2.5 amps

CPS-0002 DESCRIPTION

The Control Plus Series 2 is a two-relay controller designed to work on its own, in conjunction with other Control Plus Series 2 units or in conjunction with [Control Plus Series 8-40](#) Lighting Control panels.



8.5"x6.75"x3.5"



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