



Basic Control Panel Interior

- ◆ Control panel interior with factory-installed four-pole contactors
- ◆ Contactor ratings: 30A ballast, 20A tungsten
- ◆ Eight channel outputs to normally closed contactors
- ◆ LED indicators for each channel
- ◆ ON/OFF/Auto override switches for each channel
- ◆ Optional system clock for time scheduling and astronomic control; offers eight individual override inputs
- ◆ Line voltage control
- ◆ DIN rail mounting for contactors
- ◆ UL listed, one year warranty



Component Information

The main hardware infrastructure component for The Watt Stopper's Basic Control contactor panel is the panel interior. This component provides isolation between the line- and low-voltage sections of the panel. It also provides the mounting framework for the system's contactors, power supply, system clock, and houses the panel's central intelligence board. The panel interior mounts in the corresponding tub.

Basic Operation

The Basic Control contactor panel interior contains a user-selectable number of multi-pole contactors that make and break power to lighting circuits, turning lights on and off. The appropriate sized panel interior depends on the number of poles needed, since the interiors are pre-assembled with a user-defined number of poles (selectable in multiples of four). Users can access up to eight channels for controlling different groups of lights independently. When used with a System Clock (SC-100-CP), the panel provides control signals based on time scheduled or astronomic events.

Features & Applications

Each of the eight available control channels also features an expansion panel connection, so that a lighting control system can easily be expanded to support multiple panels in multiple locations. When used with a System Clock, eight individual override inputs provide users with the opportunity to connect other control devices to the panel (i.e., photocells, occupancy sensors, switches) to control user-defined channel(s). In addition, users may activate an ON/OFF/Auto switch for each channel, which removes that channel from automatic operation and places it into manual control. Auxiliary power is provided for supplying AC or DC power to other control devices.

The Basic Control contactor panel interior provides the foundation for effective control of interior and exterior lighting. Because of the modular nature of the interior, it can be installed later in the construction process, sliding into the enclosure tub once the rough-in wiring has been completed. Since the interior is pre-assembled, users do not need to install individual contactors, power supply, or other components. For future expansion, the modular nature of the panel interior makes it easy to install additional contactors or add a System Clock.

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BC Panel Interior Technical Information

Specifications

- ◆ Interiors available in 16-, 32-, and 64-pole configurations
- ◆ Four-pole contactors factory installed and tested in user-selectable quantities
- ◆ Contactor ratings: 30 Amp @ 600 V for ballast loads, 20 Amp @277 V for tungsten loads
- ◆ Eight channel outputs to normally closed contactors
- ◆ Eight individual override inputs compatible with photocells, occupancy sensors, switches, or other building systems (requires SC-100-CP System Clock)
- ◆ System Clock: 8 channel, 7-day, multi-year holiday scheduling, astronomic, automatic daylight savings, battery back up, non-volatile memory (system clock is optional)
- ◆ 350 mA of 24 VAC and VDC auxiliary power source for optional system devices (sensors, switches)
- ◆ Channel status LEDs
- ◆ Individual ON/OFF/Auto switches for each channel output
- ◆ DIN rail for easy mounting of contactors
- ◆ Eight channel expansion terminals for adding control panels
- ◆ UL listed, one year warranty

Ordering Information

Catalog No.	Description	Poles	Dimensions
HINCPxx16y-115	Basic Control contactor panel interior	up to 16	12.25 W x 11.63 H x 4.375 D
HINCPxx32y-115	Basic Control contactor panel interior	up to 32	15.88 W x 22.30 H x 4.375 D
HINCPxx64y-115	Basic Control contactor panel interior	up to 64	15.88 W x 35.76 H x 4.375 D
HINCPxx16y-277	Basic Control contactor panel interior	up to 16	12.25 W x 11.63 H x 4.375 D
HINCPxx32y-277	Basic Control contactor panel interior	up to 32	15.88 W x 22.30 H x 4.375 D
HINCPxx64y-277	Basic Control contactor panel interior	up to 64	15.88 W x 35.76 H x 4.375 D

xx = Number of factory installed poles (multiples of four)
 y = C for SC-100-CP System Clock, N for no SC-100-CP System Clock

Panel Interior Layout

