Smartwired Panel Interior

- Control panel interior with plug-in relays
- Push-button override for each relay
- LED status indicator for each relay
- Eight channels in each SWS panel for smartwiring relay groups and linking for global control functions
- Low-voltage switch control
- DIN rail mounting for automation devices
- Two color-coded dataline connectors for panel-panel and panel-switch communications
- Interfaces with other control devices (occupancy sensor, daylighting control, building management system)
- UL listed, one year warranty

Component Information

The main hardware infrastructure component for The Watt Stopper Smartwired Switching System (SWS) 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 relays, power supply, and control modules, and houses the panel's central intelligence board. The panel interior mounts in the corresponding tub.

Basic Operation

Users can select from two models, SS or SP. With the SS model, system administrators may connect switches and override devices solely to control the eight automation channels. The SP model provides the additional ability to connect low voltage switches and other devices to individual relays as well as the eight automation channels. The appropriate sized panel interior depends on the number of relays needed, since the interiors are pre-wired with a user-defined number of relays (selectable in multiples of four). Local dataline connectors can be used for automation modules and for use in connecting switches. Global dataline connectors simplify panel-to-panel wiring.

Features

The panel interior contains eight channels that users can use to smartwire relays into logical lighting groups for effective control (relays can also be grouped in patterns for "scene" control). The smartwiring capability enables system administrators to create lighting groups simply and quickly without the need for external programming tools or hardware. It uses simple push-button programming with visual feedback to link relays to automation channels. With smartwiring, users can quickly reconfigure lighting loads to accommodate changing needs of building spaces, without touching system wiring or shutting down the system.

Users may automate lighting groups with either of the automation modules (Network Clock or BMS Interface Module) by assigning a smart scenario to each automation group. In addition, each channel has an associated input for switches or other override devices. SWS panel interiors feature individual status LED indicators for each relay, and DIN rail mounting for easy insertion of automation modules.

The Watt Stopper®, Inc.
2800 De La Cruz Blvd.
Santa Clara, CA 95050
Tel: (408) 988-5331
Fax: (408) 988-5373
National Technical Support
(800) 879-8585

SWS Interior Technical Information

Specifications

- Interiors available in 12-, 24-, or 48-relay configurations
- Relays factory installed and tested in user-selectable quantities (multiples of four)
- Eight channels in each SWS panel with local push-button control, isolated pilot contact, and bi-color status LED (Red = All ON, Green = Mixed group, Off = All OFF)
- Channels can be smartwired to control any relay or group of relays
- ON/OFF group switching, or pattern control
- One switch input per channel accepts any maintained or momentary dry contact
- DIN rail for easy mounting of automation modules
- Push-button override for each relay with LED status indication
- EEPROM memory maintains smartwired groups
- Individual switch inputs with pilot feedback for each relay (SP model)
- UL listed, one year warranty

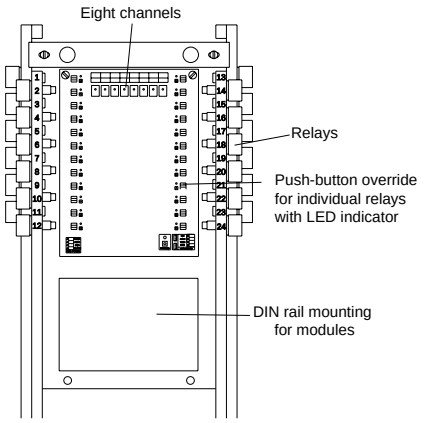
Ordering Information

Catalog No.	Description	Relays	Dimensions
HINxxR12SS (SP)	Smartwired panel interior	up to 12	12.25 W x 11.63 H x 4.38 D
HINxxR24SS (SP)	Smartwired panel interior	up to 24	15.88 W x 22.30 H x 4.38 D
HINxxR48SS (SP)	Smartwired panel interior	up to 48	15.88 W x 35.76 H x 4.38 D

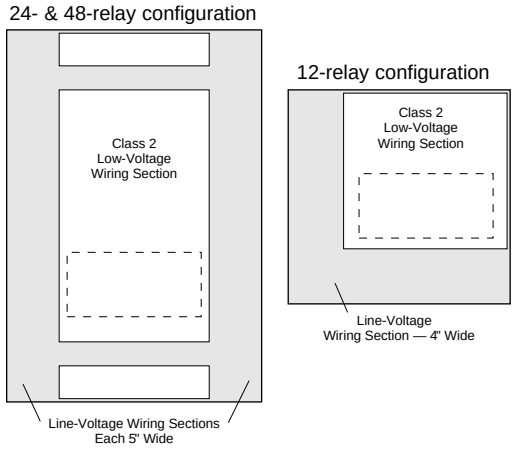
xx = Number of factory installed relays.

Panel System Layout & Configuration

Elements of Panel Interior



Panel Interior Configurations



Smartwiring

Smartwiring Panel Interior Channels to Relays