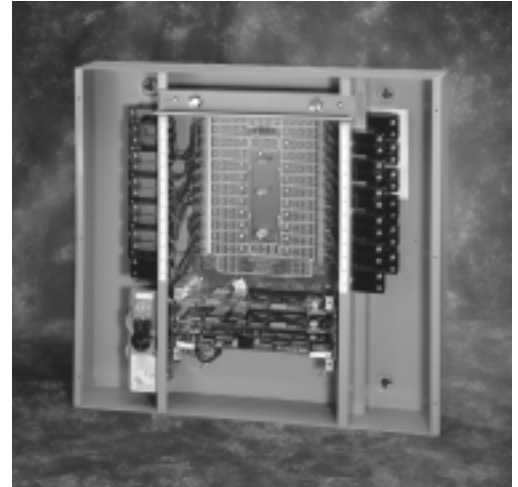




# Complete Control Panel System

## System Description

- ◆ Low-voltage switching platform with distributed intelligent control
- ◆ Modular system design for scalability and flexibility
- ◆ Feature-rich lighting control software with full monitoring capability and real-time graphics options
- ◆ Remote or central monitoring capabilities
- ◆ Flexible integration with other control devices and building systems
- ◆ Network communications supporting multiple devices on a reliable dataline
- ◆ UL listed, one year warranty



## Basic Operation

Modular in design, The Watt Stopper Complete Control (CC) panel system provides intelligent, networked control capabilities for flexible facility-wide lighting control, from a low-voltage switching platform. Users can select from numerous optional enhancements to extend the functionality of the system.

The Complete Control panel system relies on a combination of hardware and software tools, being comprised of a tub and cover, power supply, panel interior, controller cards, and control software. The tub, cover, and power supply provide the basic housing and power components. The panel interior provides the mounting framework for the system's relays, power supply, and the optional control cards or devices. Installation of the tub can occur at the time rough-in electrical wiring is done; the panel interior can be installed later. Users can select the panel configuration with up to 12, 24, or 48 relays, depending on the size and complexity of their application. In addition to relay switching, users can rely on direct switching, with up to 14 additional programmable switches possible in a 48-relay panel.

In addition to this hardware, the CC panel employs a Controller card, up to four Input/Output cards (one for every 12 relays used), and WinControl software. The Controller card provides all logic, clock, scenario, and communication functions, allowing each panel to continue operating independently even in the event of an isolated failure. The Input/Output cards provide the actual ON/OFF switching of the relays as well as monitoring their status. WinControl lighting control software provides the basic user interface for programming, monitoring and controlling the system.

## Features & Applications

For networked control capabilities, users can add the Dataline Power Supply & Options module, together with the Dataline Link. Other optional enhancements include TCP/IP connectivity, and intelligence cards such as the Global Switch Annunciator card and the Telephone Control module. WinControl options include WinControl Graphics, featuring color graphics screens that enable system administrators to use actual floorplan layouts in lighting control.

As a comprehensive lighting automation system, the Complete Control panel system is ideal for applications such as large office buildings and complexes, factories, airports, stadiums, and convention centers. The system's distributed design assures that lighting will operate as intended, with or without a computer to monitor system activity. The modularity of the system accommodates future additions or changes in facility layout or control requirements. Because of the software's object-oriented approach, the Complete Control system can easily be interfaced with other building systems such as HVAC or security.

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# CC Panel System Technical Information

## Specifications

- ◆ Panels available in up to 12-, 24-, or 48-relay configurations
- ◆ Latching relays rated 20 Amps tungsten and ballast
- ◆ Intelligence card with built-in control logic, system clock, programmed control scenarios, and communication functions
- ◆ Supports wide range of control capabilities, including blink warnings; occupant overrides with individual time delays; and cleaning, shed, and common area control scenarios
- ◆ Supported by WinControl software and optional WinControl Graphics packages
- ◆ Works with Dataline Power Supply and Network Options Modules and two-wire dataline for communications between panels up to 4000 feet without repeater
- ◆ Optional telephone override intelligence card
- ◆ TCP/IP connectivity
- ◆ UL listed, one year warranty

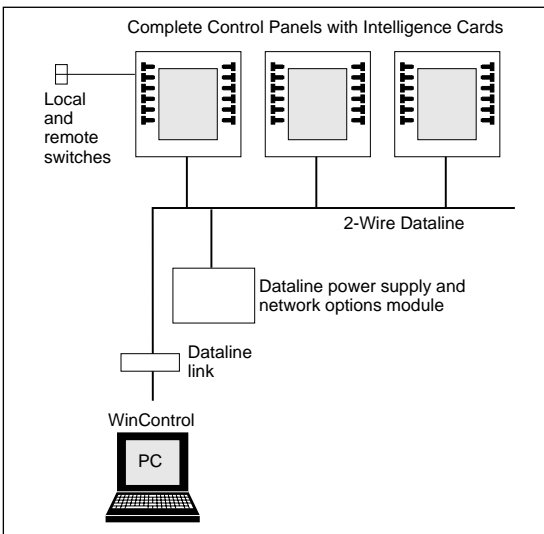
## System Checklist

A Complete Control panel system includes the following:		
Product group	Catalog No.	Description
Panel interior	HINxxR12CC	Complete Control panel interior (12.25 W x 11.63 H x 4.38 D)
	HINxxR24CC	Complete Control panel interior (15.88 W x 22.30 H x 4.38 D)
	HINxxR48CC	Complete Control panel interior (15.88 W x 35.76 H x 4.38 D)
Power Supply	HPSM115/277	Power Supply 115/277 VAC
Tub	HTUBxx	Tub Enclosure for 12, 24, or 48-relay system (specify 12, 24, or 48 relay capacity in place of xx in product catalog number)
Cover	HCVRxxSL	Enclosure cover for 12, 24, or 48-relay tub; Surface mount, lockable (specify 12, 24, or 48 relay capacity in place of xx in product catalog number)
	HCVRxxFL	Enclosure cover for 12, 24, or 48-relay tub; Flush mount, lockable (specify 12, 24, or 48 relay capacity in place of xx in product catalog number)
Controller Card	HCPU48CC	Controller card, programmable intelligence card (one per panel)
I/O Card	HIOC12CC	Input/output card (one for each 12 relays)
Software	HWCHSTD	WinControl lighting control software (standard package, includes Trends for reporting and monitoring)

## System Options

Optional system enhancements include:		
Software	HWCHGR	WinControl Graphics Software (Windows-based)
Options	HDPS1CC	Dataline Power Supply & Options Module
	HLINKCC	Dataline Link
	HREPCC	Dataline Repeater
	HLANCC	TCP/IP Interface Module
Card Modules	HGSA12CC	Global Switch Annunciator Card
	HPHOxCC	Telephone Override Card

## Panel System Layout



## Complete Control System Accessories

Catalog No.	Description
HNOTEBOOK	Laptop front-end computer
HDESKTOP	Desktop front-end computer
HMODEM	Modem for remote communication
HCABLE-x	Cables for computer connections
HDSFCC	Dataline Signal Filter
HBRKxxCC	Bracket for 24- or 48-relay panel interior
HDLW2 (P)	Dataline wire (#18/2 twisted pair with shield) (P=plenum if required)