



# Basic Control System

## System Description

## Basic Operation

## Features

## Applications

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

- ◆ Line-voltage multi-contactor panel for interior and exterior lighting control
- ◆ Automated facility-wide control combined with flexible local occupant control
- ◆ Eight channel outputs to normally closed contactors
- ◆ Optional System Clock for time-scheduled or astronomic control
- ◆ Compatibility with AS-110 Automatic Control Switches
- ◆ Optional photocell for exterior lighting control
- ◆ UL listed, one year warranty



The Watt Stopper Basic Control contactor panel combines multi-pole contactors with a system clock in a pre-assembled, easy-to-install panel. The system provides line-voltage control for interior and exterior lighting.

Modular in design, a Basic Control contactor panel consists of a tub, cover, and panel interior that contains the contactors and system clock. The contactors respond to control signals from the system clock to make and break power to lighting circuits, turning lights on and off. Using four-pole contactors, the Basic Control panel controls both single- and multi-phase lighting loads. The system clock provides both scheduled and astronomic signals. Users may control up to eight separate groups of lighting, defining the parameters of each control channel independently. Basic Control panels utilize normally closed contactors so the system reliably provides power to lighting.

Accompanying each of the Basic Control's eight control channels are LED indicators and ON/OFF/Auto switches. The latter enable users to remove a channel from the system's automatic operation and place it in a manual mode. When used with a System Clock, these panels also feature eight individual override inputs, which can be used to connect external devices, such as photocells, occupancy sensors, switches, or other building control systems, to the panel. Administrators can configure these inputs to control any combination of channels. The panel also provides an auxiliary power source (24 VAC and VDC) for external devices. For expandability, the panel includes eight terminals that can be used to connect additional panels (in a multiple panel system, the main panel must include a System Clock while expansion panels do not). For exterior lighting control, users can utilize the System Clock for astronomic control or add the optional photocell for photosensitive control. For interior lighting control, users can implement optional AS-110 Automatic Control Switches. These switches automate after hours shut off of lighting for basic code compliance while providing occupants with manual override control to keep needed lighting on.

The Basic Control system offers users simple, effective control for indoor and outdoor applications. Because the panel interiors are pre-assembled, design and installation are greatly simplified. Basic Control contactor panels are ideal choices for any type of exterior lighting, such as parking lot lighting, site night lighting, sign lighting, and more. Their use promotes energy savings by turning off outside lighting when not necessary, as well as providing a secure illuminated environment when occupants might be present. For interior lighting, Basic Control panels provide effective shut off control with the built-in flexibility afforded by the optional AS-110 switch. Companies can save energy by automating after hours shut-off control while occupants can override this control locally to meet individual needs.

# Basic Control Technical Information

## Specifications

- ◆ Panels available in 16-, 32- or 64-pole configurations
- ◆ Contactor ratings: 30 Amp @ 600 V for ballast loads, 20 Amp @277 V for tungsten loads
- ◆ User-specified number of four-pole contactors pre-assembled
- ◆ Eight channel outputs to normally closed contactors
- ◆ Supports up to ten panels in a multiple panel system
- ◆ Eight individual override inputs compatible with photocells, occupancy sensors, switches, or other building systems (requires SC-100-CP System Clock)
- ◆ Individual ON/OFF/Auto switches for each channel output
- ◆ Compatibility with AS-110 Automatic Control Switch
- ◆ System clock: 8 channel, 7-day, multi-year holiday scheduling, astronomic, automatic daylight savings, battery back up, non-volatile memory (system clock is optional)
- ◆ DIN rail for easy mounting of contactors
- ◆ UL listed, one year warranty

## Product Checklist

A Basic Control contactor panel includes the following:			
Product group	Catalog No.	Description	Poles
Panel interior	HINCPxx16y-115	Basic Control contactor panel interior	up to 16
	HINCPxx32y-115	Basic Control contactor panel interior	up to 32
	HINCPxx64y-115	Basic Control contactor panel interior	up to 64
	HINCPxx16y-277	Basic Control contactor panel interior	up to 16
	HINCPxx32y-277	Basic Control contactor panel interior	up to 32
	HINCPxx64y-277	Basic Control contactor panel interior	up to 64
Cover	HCVRzzSL	Enclosure cover for 12 (16 poles), 24 (32 poles), or 48 (64 poles) tub (surface mount)	
	HCVRzzFL	Enclosure cover for 12 (16 poles), 24 (32 poles), or 48 (64 poles) tub (flush mount)	
Tub	HTUBzz	Tub Enclosure (12 (16 poles), 24 (32 poles), or 48 (64 poles) tub)	

xx = Number of poles (multiples of four only). y = C for System Clock, N for no System Clock. zz = 12, 24, or 48 size.

## System Options

Optional system enhancements include:		
System Clock	SC-100-CP	System Clock
Automatic Control Switch	AS-110	Automatic Control Switch
Photocell	EM-24A2	Low Voltage Photocell

## Basic Control Applications

