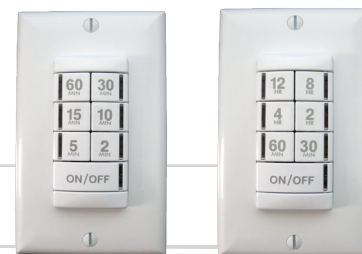# sensor switch®

PTS 60
PTS 720

PROGRAMMABLE (INTERVAL) TIMER SWITCH
LINE VOLTAGE • DECORATOR STYLE

SPECIFICATIONS

APPLICATIONS
Fluorescent/Incandescent/LED Lighting in Meeting rooms, Library Aisles, Stock Rooms, & Mechanical Rooms
Exhaust Fans

FEATURES
Self-Contained Relay
Interchangeable Hot & Load Wires - Impossible to Wire Backwards
No Neutral Connection Required
Self-Grounding Mounting Strap
No Minimum Load Requirement
Push-Button Programmable w/o Removing Switch Plate
Fixed or Adjustable Preset Times
Optional Audible Timeout Warning at 45, 30, and 15 sec
Optional Flicker Timeout Warning at 2 and 1 min
Continous LED Flash for Last 30 sec of Button's Time Setting
Green On/Off Switch Status LED
Green LED Time Indicators

PHYSICAL SPECS
SIZE 4.2"H x 1.8"W x 1.5"D
(10.67cm x 4.57cm x 3.81cm)
WEIGHT 5 oz
MOUNTING Single Gang Switch Box
COLORS White, Ivory, Gray, Lt Almond

ELECTRICAL SPECS
MAXIMUM LOAD
800 W @ 120 VAC
1200 W @ 277 VAC
1500 W @ 347 VAC
MINIMUM LOAD None
MOTOR LOAD 1/4 HP
FREQUENCY 50/60 Hz

ENVIRONMENTAL SPECS
OPERATING TEMP
14° to 160° F (-10° to 71° C)
STORAGE TEMP
-14° to 160° F (-26° to 71° C)
RELATIVE HUMIDITY
20 to 90% non-condensing
ROHS COMPLIANT
SILICONE FREE

OTHER
ETL Listed
ASHRAE 90.1 Compliant (PTS 60)
IECC Compliant (PTS 60)
Title 24 Compliant (PTS 60)
5 Year Warranty
Assembled in the U.S.A.

The **PTS 60** and **PTS 720 Series** Electronic Auto Shut-off Timer Switches provide a simple to use and simple to apply lighting control alternative to wall switch occupancy sensors. These elegant decorator style wall stations each provide six preset countdown timer selections as well as an on/off push-button. The **PTS 60** and **PTS 720** units are powered from 120/277 VAC (optional 347 VAC) and are intended to switch a line voltage lighting load or small motor load (see specifications). Additionally, the **PTS 60** and **PTS 720** can be applied without requiring a neutral wiring connection, making them ideal for retrofit applications.

TIMER OPERATION
When the unit's on/off button is pressed, the self-contained relay closes, turning the connected load on. The LED on the button of the last time selected will also turn on, indicating the time remaining before the unit turns the lights off. Optionally, this default timer setting can be fixed. If a different timer selection is required, the user simply presses the button labeled with the time of their choice. If desired, a maximum timer setting can also be programmed into the switch. Once time has elapsed below the point of the next lowest time option, the LED on that button will light and the original time selection's LED will turn off.

At the two and one minute remaining point, the unit will issue a flicker warning to occupants indicating that the lights will shut off if another time selection is not chosen. Additionally, an audible beep warning is issued at 45, 30 and 15 seconds. Both warning indicators can be disabled if desired. Finally, a button's LED will flash continuously during the last 30 seconds of its time setting.

OPTIONS

TIME SCALE [60 / 720]
• 60, 30, 15, 10, 5, 2 min
• 12 hr, 8 hr, 4 hr, 2 hr, 60 min, 30 min

347 VAC (347)
• Allows sensor to be powered from and switch 347 VAC
• Wall plate provided (White/Ivory only)

COLOR
• White, Ivory, Gray, Lt. Almond
• Wall plate provided
• Must be specified

LOW TEMP/HIGH HUMIDITY (LT)
• Sensor is corrosion resistant
• Operates down to -40° F/C

ORDERING INFO   PTS [TIME SCALE] [VOLTAGE] [COLOR] [TEMP/HUMIDITY]

TIME SCALE	VOLTAGE	COLOR	TEMP/HUMIDITY
60 = 60 min max 720 = 12 hr max	Blank = 120/277 VAC 347 = 347 VAC	WH = White IV = Ivory GY = Gray AL = Lt. Almond	Blank = Standard LT = Low Temp

WIRING (DO NOT WIRE HOT)
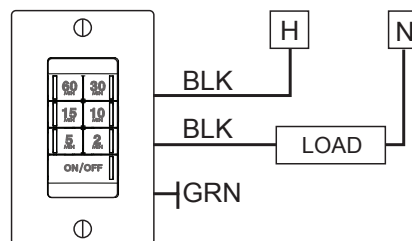
STANDARD WIRING

BLACK* - Line Input
BLACK* - Load Output } *BLACK wires can be reversed
GREEN SCREW - Ground (required connection)

347 VAC OPTION (347)

Black wires are replaced w/ Red wires

Note: Connection to Ground required for sensor to function

PROGRAMMING INSTRUCTIONS   (PLEASE READ ALL 7 STEPS BEFORE PROGRAMMING)

1. Enter programming mode by pressing & holding upper left button until LED flashes rapidly. Release button.

2. Enter a specific programming function by pressing button the number of times as the desired function number from the tables on the following pages (e.g., for a PTS 60, press five times for function 5, *Max Time Allowable*).

3. The selected function's current setting will then be read out in a sequence of LED flashes (e.g., one flash for 60 min). To change setting, proceed to step 4 before sequence repeats 10 times.

4. While the switch is flashing back current setting, interrupt it by pressing button the number of times for the new desired setting as indicated in the particular function's detailed table (e.g., press twice for 30 min). Switch will begin to flash new setting as confirmation.

5. Next, while the switch is flashing back new setting, interrupt it by pressing and holding button until LED flashes rapidly. Release button.

6. As final confirmation and activation of the new setting, re-enter the programming function number that was changed (e.g., press five times for function 5, *Max Time Allowable*).

7. LED will flash twice indicating acceptance of new setting. If two flashes are not seen, repeat 7 step process.

Note: To exit programming mode without saving or to change to a different function, wait for blink back sequence to repeat 10 times then return to step 1.

Function Number	Function Name	Settings (*indicates default setting)		
2	Blink Warning	1. Enabled 2 min & 1 min*	3. Enabled 1 min	
		2. Disabled	4. Enabled 2 min	
3	Beep Warning	1. Enabled*	2. Disabled	
4	Status Tick	1. Enabled (ticks every 1 sec)	2. Disabled*	3. Enabled, (ticks every 0.5 sec)
5	Max Time Allowable (model # PTS 60)	1. 60 min*	3. 15 min	5. 5 min
		2. 30 min	4. 10 min	6. 2 min
5	Max Time Allowable (model # PTS 720)	1. 12 hr*	3. 4 hr	5. 60 min
		2. 8 hr	4. 2 hr	6. 30 min
6	Default Time - when on/off button pressed (model # PTS 60)	1. 60 min	4. 10 min	7. Last time selected*
		2. 30 min	5. 5 min	
		3. 15 min	6. 2 min	
6	Default Time - when on/off button pressed (model # PTS 720)	1. 12 hr	4. 2 hr	7. Last time selected*
		2. 8 hr	5. 60 min	
		3. 4 hr	6. 30 min	
9	Factory Defaults	1. Maintain current*	2. Restore defaults	

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