Honeywell

PLS730B / PLS731B
Installation and User Guide
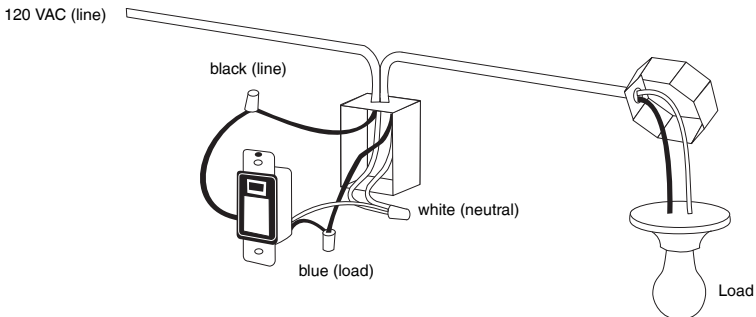### Programmable Wall Switch

❶ Applications

The PLS730B / PLS731B programmable wall switch has been designed to control lightings and motors:

Load type	Maximum load	Examples
Resistive load	2400 W (20 A @ 120 V)	• incandescent lights • halogen lights • block heater
Inductive load	2400 W (20 A @ 120 V)	• fluorescent lights • compact fluorescent lights (CFL) • sodium lamps • electronic ballasts
Motor	1 hp	• pool filter pumps • fans

❷ Installation

NOTE: This switch cannot be used if there are not at least 2 white wires joined by a connector inside the electrical box.

1) Cut power at the circuit breaker to avoid electric shock.
2) Remove the existing switch.
3) Install the new switch as shown in the diagram below.
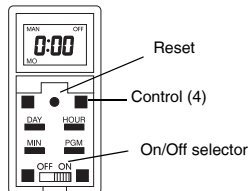4) Apply power at the circuit breaker.

120 VAC (line)

black (line)

white (neutral)

blue (load)

Load

69-2503EFS-03

❸ Power-On

1) Pry the switch door open from the bottom using a small screwdriver.
2) Ensure the **ON/OFF** selector is set to ON.
3) Reset the switch using a paper clip. **0:00** will flash.

If the display is blank:
- Ensure the **ON/OFF** selector is properly engaged in the **ON** position. Push it to the right using a small screwdriver.
- At first power-up after the installation, the screen of the switch may be blank or dim, or become so when you turn the light on. However, during that time, the switch is fully functional. Wait 2 minutes for the switch's built-in battery to be sufficiently charged and the screen will return to its normal contrast.

❹ Setting the Clock

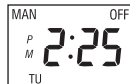***NOTE***: *The switch displays the time in 24-hour format by default or following a reset.*
1) To change to 12-hour format (or vice versa), proceed as follows:
   - Press one of the control buttons to ensure the **MAN** or **AUTO** indicator is displayed.
   - Press the **MIN** and **HOUR** buttons simultaneously and briefly (**0:00** display = 24-hour, **12:00** display = 12-hour).
2) Set the time using the **HOUR** and **MIN** buttons. If you have selected the 12-hour format, ensure that **PM** appears on the screen when an afternoon time is displayed.
3) Set the day using the **DAY** button.
4) Press one of the control buttons or close the switch door to return to normal operation.

❺ Selecting the Operating Mode

The programmable switch has 2 operating modes: manual (**MAN**) and automatic (**AUTO**). To switch mode, press the switch door for 3 seconds.

Manual mode

The programmable switch operates as a regular switch. Briefly press the switch door to turn the lights On or Off. The mode (**MAN**) and state (**ON** or **OFF**) are displayed.
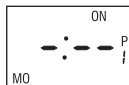
Automatic mode

The programmable switch follows the programmed schedule. The mode (**AUTO**), state (**ON** or **OFF**) and current program number are displayed. To temporarily override the programmed schedule, briefly press the switch door. The new state (**ON** or **OFF**) will flash to show that this state is temporary. The override remains in effect until you press the switch door again or until the beginning of the next program.

❻ Programming the schedule

You can set up to 7 programs. To set a program, you need to enter its start time (**ON**) and its end time (**OFF**).

1) Pry the switch door open using a small screwdriver.

2) Press the **PGM** button to display a program and its On or Off time. For example, when you first press **PGM,** program number 1 (**P1**) and its On time (**ON**) will appear. **- : - -** will appear instead of the time if the program is not set (inactive).

3) Press the **DAY** button to select the day to which you want to apply the program.

4) **NOTE**: If you want to apply the program to every day of the week, press **DAY** until all the days are displayed. (This still counts as 1 program, not 7)

5) Press the **HOUR** and **MIN** buttons to set the **ON** time (time when you want the lights to turn on). If you have selected the 12-hour format, ensure that **PM** appears on the screen when an afternoon time is displayed.

6) After you have programmed the **ON** time, press the **PGM** button to display the **OFF** time (time when you want the lights to turn off).

7) Repeat steps 3 through 5 to program the **OFF** time. If the program **ON** time is set for every day of the week, the program **OFF** time will automatically be set for every day.

8) To set another program, repeat steps 2 through 6. Programs that are not set will remain inactive.

9) Press one of the control buttons or close the switch door to return to normal operation.

Clearing a programmed time

Press the **PGM** button as many times as needed to display the programmed time. Hold the **PGM** button for 3 seconds. **- : - -** appears when the programmed time is erased.

❼ Troubleshooting

Blank display	• Verify circuit breaker at main panel. • Ensure the **ON/OFF** selector is at **ON**. • Reset the switch using a paper clip.
Faded or irregular display	Ambient temperature below freezing point
Cannot switch between 24-hour format and 12-hour format	First, press one of the control buttons so that **MAN** or **AUTO** appears on display.
Programs do not run as expected	• Make sure the switch is properly programmed. • Note that **- : - -** indicates an inactive program. • If the switch has been configured for 12-hour format, check that **PM** appears on the left side of the screen when an afternoon time is displayed.
The switch resets itself without apparent reason when used to control an inductive load such as a relay or a contactor.	The reset is caused by the load. Install a snubber (AC130-03) at each relay/contactor.

⑧ Technical Specifications

Supply: 120 VAC, 50 / 60 Hz
Maximum load: 2400 watts resistive or inductive, 1 HP motor
Operating temperature range: 5°F to 122°F (-15°C to 50°C)
Storage temperature range: -4°F to 122°F (-20°C to 50°C)
Power outage: The programs are protected by a rechargeable battery. The screen is blank during the power outage.

☑ Warranty

Honeywell warrants this product, excluding battery, to be free from defects in the workmanship or materials, under normal use and service, for a period of three (3) years from the date of purchase by the consumer. If at any time during the warranty period the product is determined to be defective or malfunctions, Honeywell shall repair or replace it (at Honeywell's option).
If the product is defective,
(i)   return it, with a bill of sale or other dated proof of purchase, to the place from which you purchased it, or
(ii)   call Honeywell Customer Care at 1-800-468-1502. Customer Care will make the determination whether the product should be returned to the following address: Honeywell Return Goods, Dock 4 MN10-3860, 1885 Douglas Dr N, Golden Valley, MN 55422, or whether a replacement product can be sent to you.
This warranty does not cover removal or reinstallation costs. This warranty shall not apply if it is shown by Honeywell that the defect or malfunction was caused by damage which occurred while the product was in the possession of a consumer.
Honeywell's sole responsibility shall be to repair or replace the product within the terms stated above. HONEYWELL SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.
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This warranty gives you specific legal rights, and you may have other rights which vary from state to state. If you have any questions concerning this warranty, please write Honeywell Customer Relations, 1985 Douglas Dr, Golden Valley, MN 55422 or call 1-800-468-1502.

☎ Customer Assistance

If you have any questions about your light switch, go to **http://customer.honeywell.com** or call Honeywell Customer Care toll-free at **1-800-468-1502**.

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