SPTL

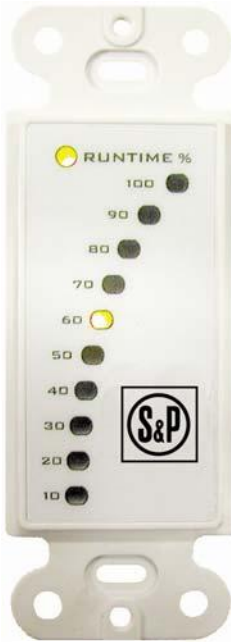# Percent Timer Control-Lighted
For use with TR70/TR130/TR200/TR300

Operation

The Percent Timer Control-Lighted (SPTL) automatically turns on your TR70, TR130, TR200 or TR300 Total Recovery for All Climates unit every hour, ensuring proper ventilation for your home around-the-clock. When the "Runtime %" light is on, the control is telling your Total Recovery for All Climates unit to operate. Set the control and your ventilator will run once every hour. How long it runs depends on the runtime percentage setting.

FOR CONSTANT OPERATION: Press the logo until the 100% light is on. The "Runtime %" light turns on. The TR unit will run continuously.

FOR REGULAR OPERATION: Set the control at the percentage that is right for your home. Press the logo until the light for the percent desired is on. See the "Percent Run Time Table" for guidance. You may wish to adjust this percentage to your specific needs. For example, if you have excess humidity in the winter, increase the ventilation percentage. You may also want to decrease the ventilation percentage when the home will be unoccupied for many days, or increase the ventilation percentage during a party.

FOR NO REGULAR OPERATION: Press the logo until all lights are off. The control is off.

NOTE for TR systems with more than one control:
Another control may be causing your ventilator to run. If you wish to keep your ventilator from running, check that none of your controls are calling for unit operation.

Installation

1. Install control in a standard 2" x 4" electrical box, with a minimum depth of 1.5", with the two screws provided.
2. Wire Size: 18-22 gauge, no more than 500 feet. Wiring is non-polar.
3. The two wires from the TR should be attached to the 'C' and 'R' positions on the terminal block on the back of the SPTL Control.
4. Use Lutron Decora™ cover plate to complete installation.

Percentage Run Time Table (to achieve 0.35 air changes per hour)

As recommended by the American Society of Heating, Refrigeration, and Air Conditioning Engineers
*Based on 8' ceiling height. If ceiling is other than 8', recalculate house volume based on your ceiling height.
Other standards and local codes should be considered when determining the required ventilation rate.

House Living Area	House Volume*	% Setting with	% Setting with	% Setting with	% Setting with
(square feet)	(cubic feet)	TR70@69 cfm	TR130@124 cfm	TR200@181 cfm	TR300@295 cfm
750	6000	51%	28%	19%	12%
1250	10000	85%	47%	32%	20%
1750	14000	100%	66%	45%	28%
2250	18000		85%	58%	36%
2750	22000		100%	71%	44%
3250	26000			84%	51%
3750	30000			97%	59%
4250	34000			100%	67%
5125	41000				81%
5750	46000				91%
6500	52000				100%

Wiring Diagram

Use (1) SPTL and to (6) SPBL controls, wires in parallel.

SPTL Percent Timer

R C PB PB

SPBL   SPBL

Remove Jumper across Low-voltage terminal if present.

Unit Internal Wiring

To install one or more additional low-voltage controls other than the SPTL or SPBL, install a 150 ohm resistor (rated at 1/8 watt or more) between one terminal on the ventilator and one of the wires to the other controls as shown. (A 150 ohm 1/8 watt resistor is provided with a SPTL.) Wire the other controls in parallel with each other.

FRONT

BACK