

# Rotary Switch Assemblies for DX & TW

## Mechanical Control Over Basic AC Functions



SA4A-ZB & SSA3-ZB shown

**Cruisair electromechanical rotary-knob switch assemblies provide conventional control over basic air conditioning functions.** Both 115V and 230V switches are available. The standard design is an aluminum plate covered with a modern black plastic overlay with text and graphical representations of the various functions. Many different configurations are available:

Standard three-knob assemblies provide function selection (OFF-FAN-RUN), fan speed control, and a room thermostat (with a 10' capillary tube). For tempered water systems, a special thermostat on the air handler allows automatic changeover between heating and cooling modes.

A two-knob control for tempered water systems features function control (OFF-FAN-RUN) and fan speed control. It is used with a remote thermostat, or in situations where a thermostat is not needed, such as in an engine room or on a makeup air handling unit with a bypass valve.

Single-knob switch assemblies control fan speed (either variable or 2-speed) and offer two operational modes: In the ON position, the fan will run continuously; in the AUTO position, the fan will cycle on and off with the compressor.

A four-knob assembly is available for DX systems, allowing control of an auxiliary electric heater. Functions are: system mode (OFF – FAN – RUN), heat mode (Reverse Cycle or Aux. Heat), thermostat, and fan speed.

Switches are also available for use with auxiliary heat modules, but an HRX type heat relay may be needed in certain cases.

### Key Benefits

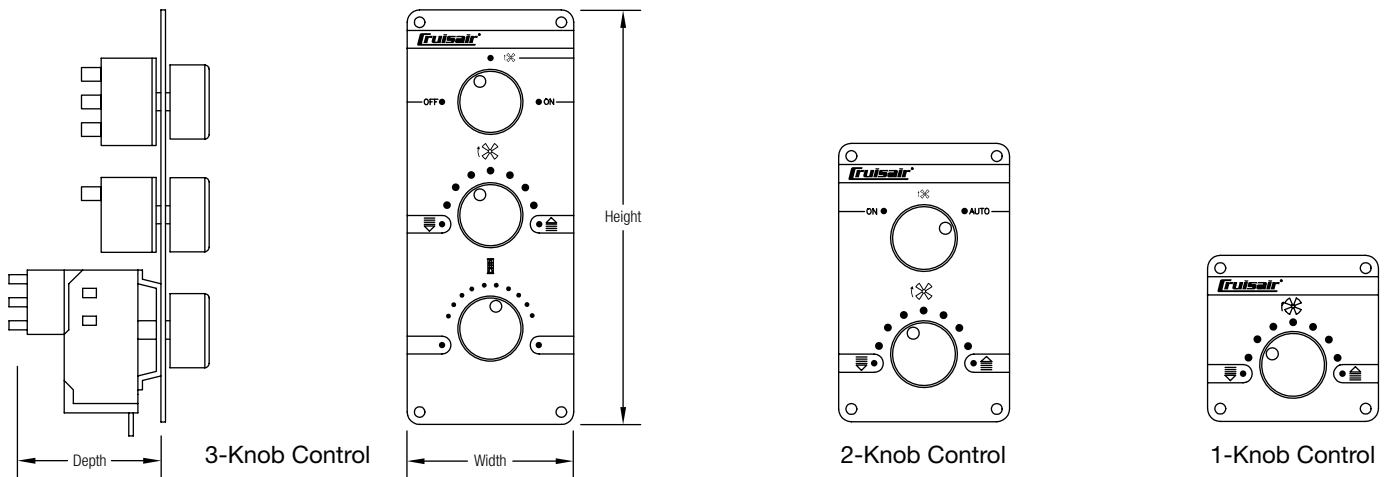
- Electromechanical Rotary Switches.
- Black plates with modern graphics.
- For use with variable or 2-speed blowers.
- Wiring connections via color-coded terminal strip; six-pin plugs used for self-contained DX systems.
- 115 or 230V.
- Auxiliary heat controls available.
- Multiple configurations for different uses.
- Vertical and horizontal versions.

# Technical Specifications for Rotary Switch Assemblies

Model	Type of Switch	Volts	Fan-Speed Control	Type of Connection	Height (in/mm)	Width (in/mm)	Depth (in/mm)
<b>Rotary Switch Assemblies for Direct Expansion AC Systems</b>							
SSA3-ZB SSA3-ZCB	3-Knob	115 230	Variable	Plug	7.25/184	2.88/73	3.5/89
SA3-ZB10 SA3-ZCB10	3-Knob	115 230	Variable	Term. Strip	7.25/184	2.88/73	3.5/89
SA3-BB10 SA3-BCB10	3-Knob	115 230	2-Speed	Term. Strip	7.25/184	2.88/73	3.5/89
SA4-ZB SA4-ZCB	1-Knob	115 230	Variable	Term. Strip	3.75/95	2.88/73	2.25/57
SA4-BB	1-Knob	115	2-Speed	Term. Strip	3.75/95	2.88/73	2.25/57
SA4A-ZB SA4A-ZCB	2-Knob	115 230	Variable	Term. Strip	5.13/130	3.13/80	3.0/76
SA5-ZB10 SA5-ZCB10	4-Knob	115 230	Variable	Term. Strip	7.82/198	2.88/73	3.5/89
<b>Rotary Switch Assemblies for Tempered Water AC Systems</b>							
TSE-TZB	3-Knob	115	Variable	Term. Strip	7.25/184	2.88/73	3.5/89
TSE-TZCB	3-Knob	230	Variable	Term. Strip	7.25/184	2.88/73	3.5/89
TS3-ZCB1	3-Knob	230	Variable	Term. Strip	7.25/184	2.88/73	3.5/89
TSR-TZB	2-Knob	115	Variable	Term. Strip	5.13/130	3.13/80	3.0/76
TSR-TZCB	2-Knob	230	Variable	Term. Strip	5.13/130	3.13/80	3.0/76
TS1A-BXB	1-Knob	115/230	2-Speed	Term. Strip	3.75/95	2.88/73	3.0/76

**Notes:**

- Most 3-knob switches are also available in a horizontal configuration (2.88" H x 7.25" W). These switches will have a letter "H" in the model number.
- TSEH and switches are available for use with auxiliary heating modules.
- The fan current on variable speed switches must not exceed four amps.



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