

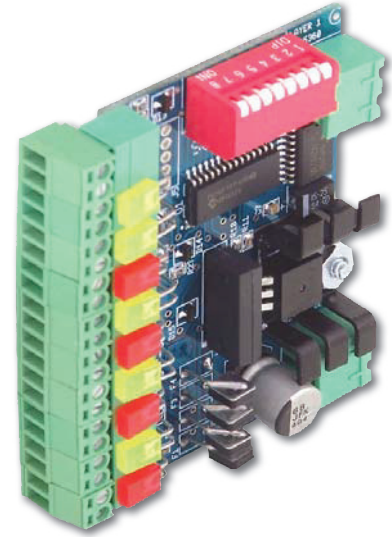


Overview

The high cost of energy today makes proportional control of HVAC systems a necessity, not a luxury. With proportional control you use only the energy needed to get the job done.

Proportional control is easy for water valves and air dampers, but more complex and cost prohibitive for electric heat units, fans and refrigeration systems. The SQ4 module simplifies the job by sequencing multiple on-off devices based on a single analog output from the controller. Now items such as cooling towers with multiple two-speed fans, staged electric heat units and multi-compressor chillers can be controlled to provide the utmost efficiency and consistency for the load at hand – all at a reasonable price.

Each SQ4 module provides four NO/NC output relays that trigger at four fixed voltages across the 0-5 or 0-10 control voltage range. Two SQ4 modules can be cascaded to provide eight independent output stages. When closed, each output relay provides 24 VDC at 120 mA. In addition, sequencer modules are available that provide a rotational sequence as well as contact monitoring and alarm output.



SQ4RA - Four-Step Sequence Module

<u>Part Number</u>	<u>Description</u>
BA/SQ4	4-Step Sequence Module
BA/SQ4-R	4-Step Sequence Module (Rotational)

<u>Part Number</u>	<u>Description</u>
BA/SQ4-A	4-Step Sequence Module (with Alarm)
BA/SQ4-RA	4-Step Sequence Module (Rotational with Alarm)

See end of Section G for list pricing.

Associated Products

PS17 or PS17CB Power Supply
(p. G19)

TRK18 Snaptrack
(p. G18)

BP8 or BP4 Interface Backplane
(p. G16)

Specifications

SQ4 plugged into a BP4 Backplane

Power Voltage: 26 to 36 VDC

Power Current: 50 mA max. plus output (1.7 VA max plus output)

Input Control Voltage: 0 to 5 or 0 to 10 VDC

Output Power Voltage: Nominal 24 VDC (23 to 32 VDC)

Output Power Current: 4 outputs of 120 mA max. (12 Watts total)