SUPERSTEP SERIES 4000
SEQUENCING PROPORTIONAL LOAD CONTROLLERS

The Superstep Series 4000 are **microcontroller-based, solid-state, fully sequencing proportional load controllers** designed for use in staged electric heating or applications, such as hot water, steam, air duct, or compressor systems. It provides multi-stage relay contact closures in proportional response to a slidewire sensor, potentiometer, voltage, current, thermistor, or RTD inputs.

- Standard configurations are 4 or 8 steps. Scalable with additional units to a maximum capacity of 32 stages. On-board DIP switches are used to configure the unit to be either a master or an expansion unit. Other switches configure input signal and the quantity of available relays to utilize.

- Alternate function relays which provide an 'AnyOn', 'AllOff', or 'Fault' signal are available on the master board when they are not used as the normal sequenced relays.

- Inputs: 0-135 ohm slidewire, 0-1 VDC, 0-5 VDC, 0-10 VDC, 2-10 VDC, 4-20 ma, temperature and pressures sensors with compatible outputs, and a User-defined input range.

- Input Power: **SLC4000-x are 120V ac**   **SLC4024-x are 24V ac/28V dc**

- On Delay Step timing is adjustable from approximately 1 second to 8 minutes. Off Delay is switch selectable for either 2 or 5 seconds.

- Full sequencing and linear proportionality is maintained when cascading additional units, automatically, without any re-calibration or adjustments.

- All outputs are pilot relay contacts, with an LED indicator.

- Optional models have Integral 0-10VDC Vernier output for fractional stage, SCR control.

- Separate 'Test Up' and 'Test Down' pushbuttons allow testing while in the operational mode, while a Dedicated Test mode allows for rapid startup and troubleshooting tasks.

- Status LED indicates various operating conditions including quiescent, transient timing, and fault states.

- Remote Indicating Panels are available for displaying relay status at a distant location.

- **UL Recognized Component**   XAPX2 (File E124742) for **both US and Canada.**

- **Made in USA**