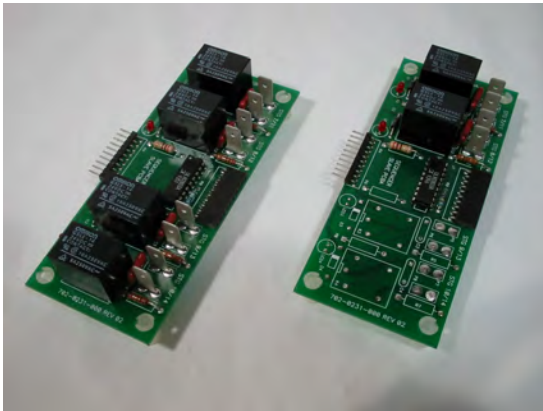


Accessory

Plug In Relay Cards



904/745-2E & 904/745-4E

Relay “Plug In” PCB Cards are available for adding stages to the 904 or 745 Controller. A two (2) Relay, and/or a four (4) Relay Card is available for adding stages in increments of two, up to a total of 14 stages. These “Plug In” Cards may be factory installed and programmed on the 904-S & 745-S, or OEM installed and programmed before mounting the controller in a control panel.

All power and circuits between the 904-S Sequencer are made with a standardized PCB “male/female” connector, eliminating any necessity for external wiring. If relay cards are connected by the OEM, the DIP switches for selecting the total stages must be re-set in accordance with the stages being used as noted in the table below.

The pilot duty SPST Normally Open isolated relay outputs are not commoned. They may be connected or grouped as necessary to meet Class I or Class II transformer limitations or requirements. Common Output terminals and transformers may be grouped and/or connected to accommodate the load being presented. Contactors may also be paralled within a stage if necessary. Red LED’s are located below each Relay to indicate that the relay is energized.

IMPORTANT: The final number of stages being used, regardless of relays installed, must be encoded into the reset configuration of the DIP Switches, using Reset 4, 3, 2, & 1 as described in Encoder Table below.

**ENCODER TABLE
PROGRAMMING POSITION FOR STAGES USED**

Reset # Stages Used	0	1	2	3	* 4	* 5	* 6	7	8	9	10	11	12	13	14	Switch #
4	Off	Off	Off	Off	Off	Off	Off	Off	On	On	On	On	On	On	On	4
3	Off	Off	Off	Off	On	On	On	On	Off	Off	Off	Off	On	On	On	5
2	Off	Off	On	On	Off	Off	On	On	Off	Off	On	On	Off	Off	On	6
1	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	7

* Standard number of stages furnished on 745-S Step controller or 904-S Sequencers at factory.

SPECIFICATIONS

Model 745/904-2E	2 Stage
Model 745/904-4E	4 Stage
Power Req.	12 mA/Stg.
Relays, Isolated N.O.	
Restive, 120V Max.	5 Amps
Inductive, 120 V Max.	1/8 HP 90 V A
Maximum Plug In Boards to 745/904	2
Dimensions 2E or 4E	2”Lx4”Wx1.9”H