



### Description

The 901 Series Interface Logic is available in two (2) configurations. “VmA” Series accepts two inputs; 0-10 V DC, & 4-20mA. The 135 series accepts 135 ohm connection.

The 901 Logic output provides a DC volt Pulse Width Modulated signal to control the 905-S (Slave) input. When 905-M Series SCR Masters are used, the SCR is inclusive of the Interface Logic.

These Interfaces are required when an analog input is being provided by an external Thermostat, some other controller, or an Energy Management System. This Interface is always required when the entire load is required to modulate from 0 to 100%. (Sequencing is not required)

When a 904 Series sequencer is used to provide incremental stages combined with a proportional SCR stage, this Interface is not required. The 904 sequencer is inclusive of the Interface circuitry, and provides a Pulse Width Modulated signal directly to the 905-S SCR slave.

Two types of mounting configurations are available. The 901 Series Interface can be: 1) Factory installed “piggy back” on an SCR Slave, or installed on a 905-S (Slave) by the OEM before the assembly is mounted in a control panel. This configuration requires a “901 Mkit” whether installed at the factory or later by the OEM. 2) The Interface comes standard with “standoff’s” for mounting the Interface remote from the SCR Slave in a control panel.

The Interface Logic is designed to drive up to eight (8) SCRs. This represents eight single phase, or four three phase circuits. The Interface includes an LED indicator that can establish when the SCR is: 1) “off” (no indicator light), 2) “modulating” (pulsing light), & 3) “100% full on” (steady light). Each input has its own dedicated terminal for each of the signals. The “GRD” is common for signal,

and 24 V AC. The “GND” may be electrically grounded if required by local codes.

### Specifications

901-Series Logic

Inputs

901-E	2-10V DC, 4-20mA, 135 ohm
901-E(VmA)	2-10V DC, 4-20mA

Power

20-30V AC

Output

Pulse Width Modulated 6.2V DC

Minimum Pulse Width 20ms

Indicator LED

Ambient 75°C/167°F

Humidity Non-condensing

Maximum SCR's @24V AC 8

Dimensions

3”Wx3”Lx0.8”H