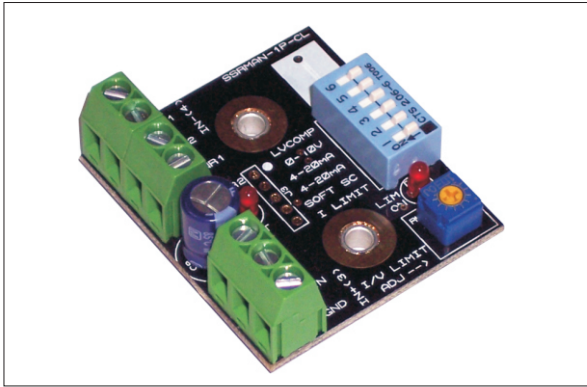


# Phase Angle Control Module + Current Limit SSRMAN-1P-CL



- True linear power output phase angle control**
- Suitable for inductive loads**
- Small module mounts on the input terminals of an SSR**
- Inputs of 4-20mA, 0-10V, 0-5V, Pot, PWM, etc.**
- Adjustable Current or Voltage limit**
- Line voltage compensation increases process stability**
- Configurable Soft Change for sensitive loads**
- Automatic 50/60Hz operation**
- Single phase and three phase control**
- LED output and current limit indicators**

## Product Description

The microprocessor based SSRMAN-1P-CL mounts directly on the input terminals of an SSR and provides true linear power phase angle control of the load. The output power is based on the command input and the current transformer feedback. The command can be dip switch selected from over seven different industry standard inputs.

## Input Specifications

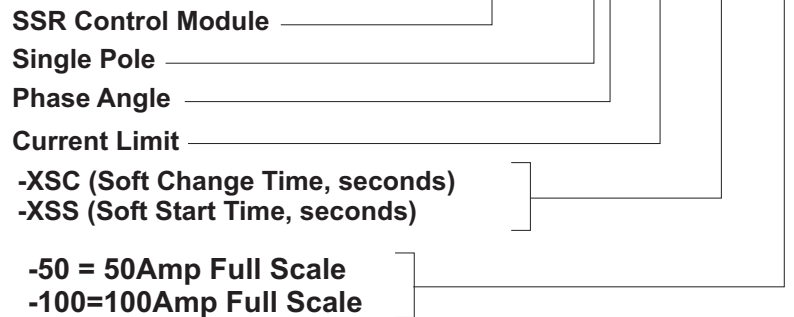
<b>Power Supply</b>	24VAC +/-15%, 65mA max
<b>Line Frequency Range</b>	47-63Hz
<b>Command Inputs</b>	4-20mA, 0-20mA, 0-5V, 1-5V, 0-10V, 2-10V, Pot, PWM
<b>Command Input Impedance</b>	10K (0-10V), 250 Ohms (4-20mA), 100K (0-5V)
<b>PWM Input Frequency Range</b>	10Hz-20KHz (below 5KHz requires soft change on)
<b>External Potentiometer Resistance</b>	1-25KOhm
<b>Current Transformer Input CT1/CT2</b>	100mA AC = 100A (For use with 1000 Turn CT) 100mA AC max.

## Output Specifications

<b>Control Output</b>	SSR Drive, DC Pulse, nominally 10V @ 15mA
<b>Response Time</b>	20mS (with soft change disabled)
<b>Linearity</b>	2%

## Ordering Codes

SSRMAN-1P-CL- - -



## Output Specifications(cont.)

Default Soft Change Period	2 seconds to reach 100% (if enabled)
Current Limit Adjustment Range	10-100% of max. Output current
Line Voltage Compensation Range	+/-15% up to 100% output power
Line Voltage Comp. Regulation	+/-3%
Current Limit Accuracy	+/-5% of full scale (50 or 100A)

## Thermal Specifications

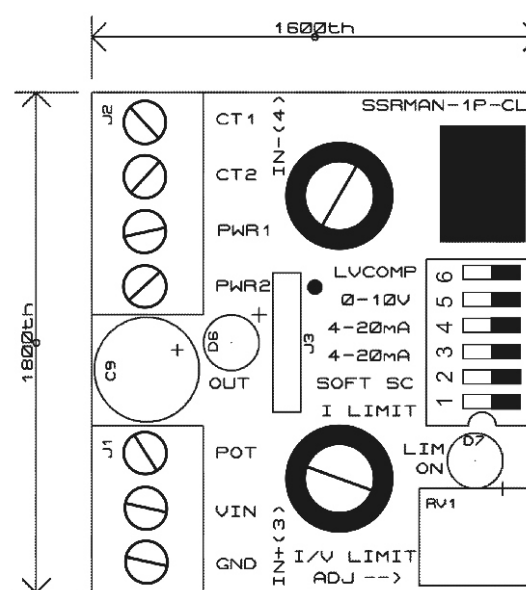
Operating Temperature Range	0 to 60 degC
Storage Temperature Range	-40 to 100 degC

## Dip Switch Selections

Command Input	3	4	5
0-5V (Default)	OFF	OFF	OFF
Potentiometer	OFF	OFF	OFF
0-10V	OFF	OFF	ON
4-20mA	ON	ON	OFF
0-20mA	OFF	ON	OFF
1-5V	ON	OFF	OFF
2-10V	ON	OFF	ON
10Hz-20KHz PWM	OFF	OFF	OFF

Feature to Enable	1	2	6
None	OFF	OFF	ON
Line Voltage Comp Enabled (default)			OFF
Soft Change		ON	
Current Limit	ON		
Voltage Limit	OFF		

## Dimensions



1.6 x 1.8" Max height is 0.6"