

SSRMAN-1B (TP) Burst Fire / Time Proportioning Control Board



- Low-profile burst fire (time proportioning) control card suitable for most industry standard solid-state relays
- Configurable for 4 different cycle times
- Input accepts 4-20mA, 0-10V, 0-5V, 0-135Ω, and potentiometer
- Mounts directly to the solid-state relay's input terminals
- Adjustable power limit option (-PL)
- Compatible in both single-phase and three-phase applications
- LED output indicator

Product Description:

The SSRMAN-1B is used on a wide range of HBControls TP series burst fire solid-state relay / heat sink assemblies and mounts directly to the input terminals of most industry-standard solid state relays. The card provides a 0-100% proportional output (burst firing / time proportioning) based on the analog input signal provided. The SSRMAN-1B can be dipswitch configured for up to seven different industry command signals and four different cycle times.

Part Numbers: SSRMAN - 1B - _____

SSR Control Module

Burst Fire

-PL (Power Limit)

-135 (135Ω Input)

Input Specifications

Specification	Rating
Power Supply	24Vac +/-15%, 24Vdc +30%/-15%, 65mA max
Command Inputs	4-20mA, 0-20mA, 0-5V, 1-5V, 0-10V, 2-10V, 0-135Ω, Pot, PWM
Command Input Impedance	10KΩ (0-10V), 250Ω (4-20mA), 100KΩ (0-5V)
0-135Ω Excitation Current	13mA
Snubber Capacitor	
External Potentiometer Resistance	1-25K

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Output Specifications

Specification	Rating
Control Output (24Vac Power Supply)	SSR Drive, DC Pulse, 10Vdc Nominal @ 15mA
Control Output (24Vdc Power Supply)	SSR Drive, DC Pulse, 10Vdc Nominal @ 9.5mA
Response Time	200msec (or cycle-time value)
Resolution	0.5% (mA, pot, volts), 1% (0-135Ω)
Linearity	1.5% (mA, pot, volts), 5% (0-135Ω)
Power Limit Adjustment Range	10-100% of max. output power

Thermal Specifications

Specification	Rating
Operating Temperature Range	0-70°C
Storage Temperature Range	-40-100°C

Dip Switch Settings

Command Input	1	2	3	5
0-5V (Default)	OFF	OFF	OFF	OFF
Potentiometer	OFF	OFF	OFF	OFF
0-10V	OFF	OFF	ON	OFF
4-20mA	OFF	ON	OFF	ON
1-5V	OFF	OFF	OFF	ON
2-10V	OFF	OFF	ON	ON
0-135Ω	ON	OFF	OFF	OFF

Cycle Time	4	6
200msec	OFF	OFF
1 Second	OFF	ON
10 Seconds	ON	OFF
100 Seconds	ON	ON

