

True RMS Current Controller NWCC



- True RMS Current Control
- 4-20mA or 0-10V output
- Internal or external command level
- Power / Overload Indicator LED
- Din Rail Mount
- Low Cost

Product Description

The NWCC can accurately sense and quickly control the True RMS current of phase controlled loads. The True RMS current is sensed by an on board isolated current transducer. The current setpoint is set by an external command signal or the on board potentiometer. An advanced PID algorithm controls/regulates the load current, limits inrush and current demand under load changes. The NWCC is designed to be used in conjunction with the NuWave SSRMAN-1P series phase controls or with any phase control.

Ordering Codes

Current Controller

Full Scale:

- 25 (25A)
- 50 (50A)
- 100 (100A)

Command Input:

- 420 (4-20mA)
- 010 (0-10V)
- 020 (0-20mA)
- 210 (2-10V)
- POT(10K Ext. Set)
- IPOT(Onboard Set)

Control Output:

- 420 (4-20mA)
- 010 (0-10V)
- 020 (0-20mA)
- 210 (2-10V)

NWCC - - -

Input Specifications

Power Supply	24VAC/DC +/-15%, 40mA max
Current Sense Frequency Range	47-400Hz
Current Input/Control Range	0-25Amps AC, 0-50 Amps AC, 0-100Amps AC
Current Command Input	4-20mA, 0-20mA, 0-10V, 2-10V, External POT, On board POT

Output Specifications

Output	4-20mA, 0-20mA, 0-10V, 2-10V
Response Time	20mS
Control Accuracy	2% of full scale

Thermal Specifications

Ambient Temperature Range 0-50degC

Dimensions

