

LOOP POWERED CURRENT TRANSDUCER MODEL AMP 420A

NEW



CONVENIENT 4-20 MILLIAMPER ANALOG OUTPUT

6 CURRENT RANGES – SWITCH SELECTABLE

- 1 Amp Full Scale
- 3 Amps Full Scale
- 5 Amps Full Scale
- 10 Amps Full Scale
- 25 Amps Full Scale
- 50 Amps Full Scale

For small motors
the capacity can be reduced by taking extra "turns" through the window.

For big motors use external current transformer.

NOT DAMAGED BY OVERLOADS LIKE STARTING INRUSH.

AMP-NOAMP ZERO CURRENT SWITCH MODEL NOAMP-2

NEW

THE NOAMP-2 TELLS YOU WHETHER CURRENT IS FLOWING THROUGH A WIRE. WHEN THERE IS NO CURRENT, THE RELAY WILL TRIP. THRESHOLD IS .3 AMPS.

LEDs show the status

Ideal for fans and heaters – including phase angle and zero crossing types.

There is a jumper selectable delay before trip:

- | | |
|-------------|-------------|
| Short delay | 1.5 seconds |
| Long delay | 42 seconds |

NO LIMIT TO THE AMOUNT OF CURRENT. UNIT IS NOT DAMAGED BY HIGH CURRENT. WORKS ON THE OUTPUT OF MOST DRIVES.



 **LOAD CONTROLS
INCORPORATED**



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TYPICAL INSTALLATION – MODEL AMP420A & NOAMP-2

AMP 420A

Mount the AMP 420A and pass the conductor through the window. Either direction is okay.

Connect DC loop power.

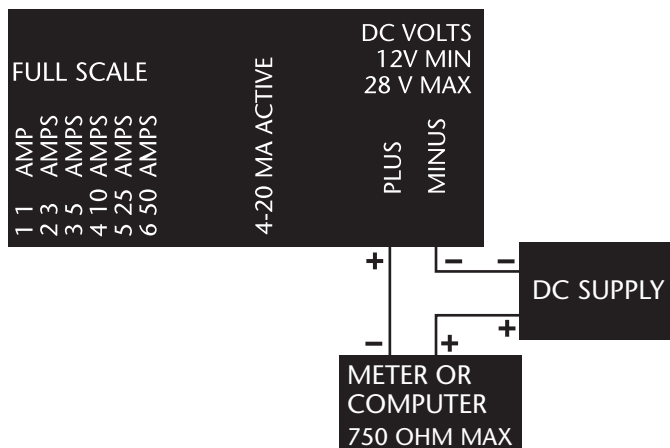
12 Volt minimum 28 Volt maximum

Maximum connected impedance is 750 Ohms.

Select a full scale value. Unit is not damaged by an overload such as a starting inrush. Don't change full scale switches while current is flowing.

FOR LARGE MOTORS

Use external current transformer with a 5 Amp secondary. Pass the secondary through the window. Turn switch 3 on (5 Amp). Full scale is the value of the current transformer.



FOR SMALL MOTORS

Reduce full scale by passing the conductor through the window more times (turns).

With 1 Amp switch on:

2 Turns = .5 Amps

4 Turns = .25 Amps

NOAMP-2

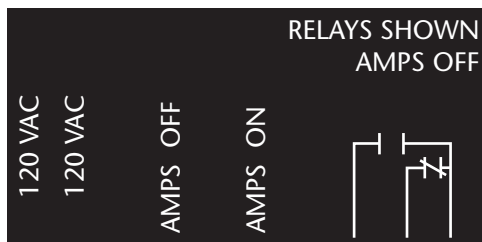
Mount the NOAMP-2 and pass the conductor through the window. Either direction is okay. There is no limit to the amount of current. Unit is not damaged by high current.

Connect 120 Volts to power the NOAMP-2.

Relays are shown:

No amps (or power off) - red LED is lit

Relays reverse for Amps flowing - green LED is lit



Note: The NOAMP-2 will work on the output of most drives. They shut off when set to zero speed. Some drives send a "hold current" to the motor when set to zero speed. The NOAMP-2 will show this as an ON condition.

SPECIFICATIONS

Threshold .3 Amps
 Relay Form C
 3 Amp @ 300 VAC
 Size 2 starter Max (Directly)

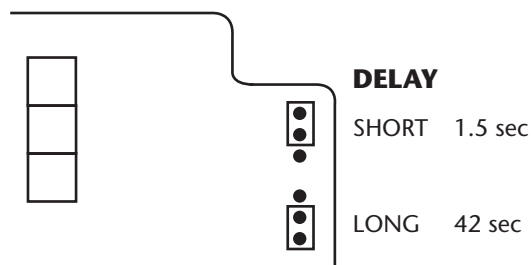
To change delay from 1.5 seconds to 42 seconds:

Remove cover

3 Phillips screws in base

Move the jumper

For heaters (especially zero crossing controlled) the longer delay is the better choice.



DIMENSIONS

- 3" x 3.9" x 1.75" High (77mm x 100mm x 45mm)
- Window .5" (13mm)

