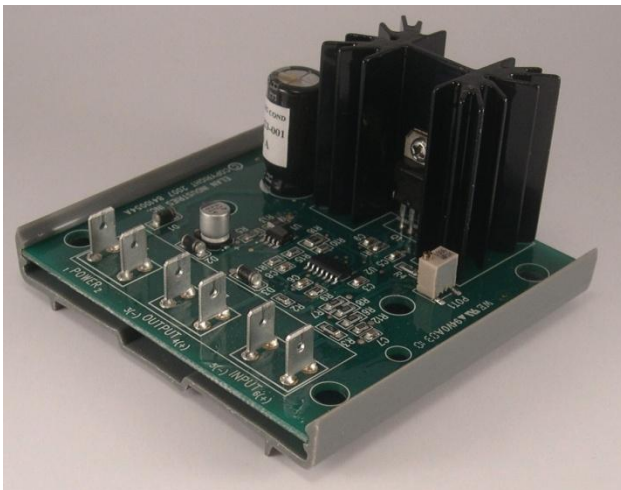
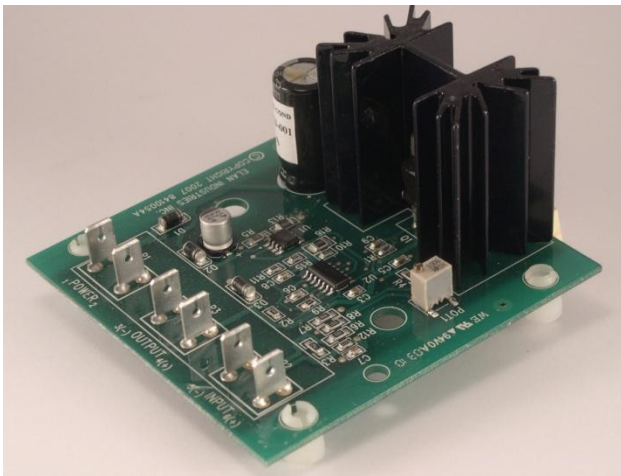


0-20Vdc SIGNAL CONDITIONER

[Modulating Valve Driver]

Converts 4-20mA output from any temperature control into a 0-20vdc output to direct drive a Modulating Gas Valve or other device

PRODUCT DATA



Features

- Creates compatibility between controller and valve
- Input signal: 4-20mA from controller
- Input power: 24VAC from customer
- Output signal: 0-20VDC signal, powered, for direct connection to modulating valve.
- Compact size
- Standoffs for panel mounting.
- Bracket available (see bottom photo)
- Custom operation available. Contact Elan.
- Gas **and** blower modulation models available. Contact Elan

Applications

- Pizza Ovens
- Agricultural Heating
- Furnaces; Ovens
- Make-up Air
- Infra-red
- Dehumidification
- Energy Recovery

General

Modulating gas control valves offer performance and gas savings to OEM's in natural gas and LP heating systems.

Elan's 0-20VDC signal conditioner provides a cost effective way to convert a temp control 4-20mA output to a 0-20VDC input for a standard modulating control.

Elan offers a variety of signal conditioners ideal for OEM's implementing gas and/or blower modulation into natural gas and LP heating systems. Contact Elan Industries at 630-679-2000 or www.elanindustries.com.

SPECIFICATIONS

Input Power

24VAC (+20%/-10%), 60Hz. From customer-supplied 24V, Class 2 transformer.

Input Signal

4-20mA from customer's temperature controller.

Output Signal

0-20VDC linear output scaled to 4-20mA input.

Output Power to Valve

20VDC

Connections

1/4" Fast-on spade terminals, see photo.

Ambient Temperature

OPERATING AMBIENT: 32°F to 150°F (0° to 65°C)
SHIPPING/STORAGE: -40°F to 150°F (-40° to 65°C)

Atmosphere

Non-condensing, non-corrosive, non-explosive. Bare PCB, not conformal-coated.

Agency

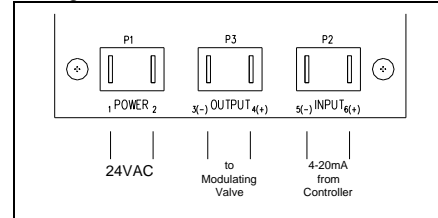
No agency rating is included. Device is low-power (24VAC) and is not a primary safety device.

Mounting/Installation

To customer panel with 4-#6 screws (standoffs) or with mtg bracket (see figure below)

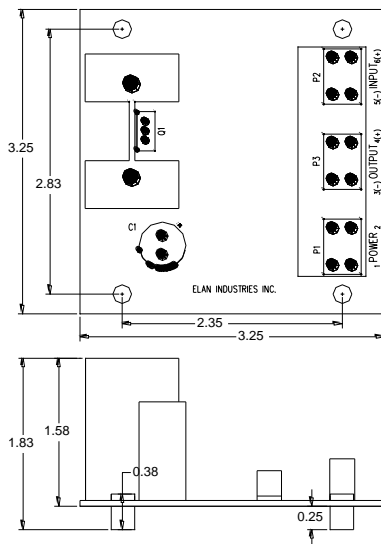
Wiring

See figure.

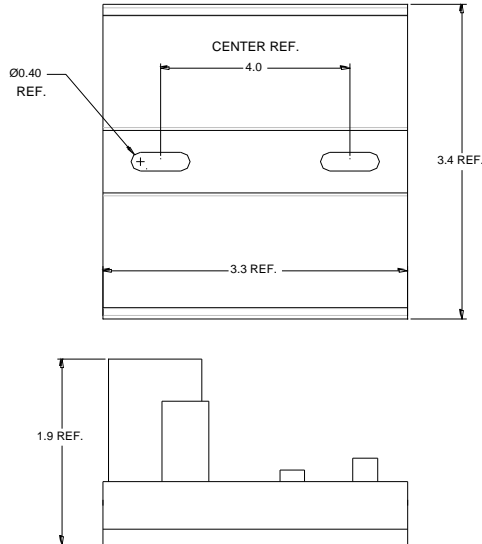


DIMENSIONS

DIMENSIONS [with standoffs]

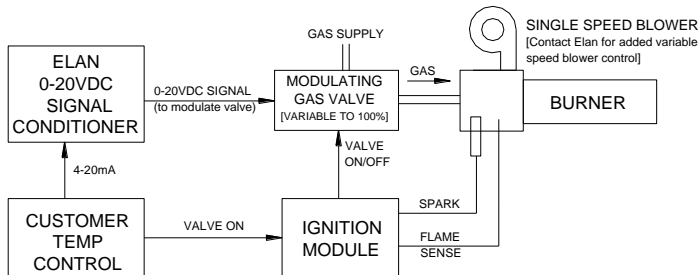


DIMENSIONS [with bracket]



SYSTEM SCHEMATIC (General Concept)

20VDC VALVE MODULATION



GAS AND AIR MODULATION AVAILABLE CONTACT ELAN

