



# Type 8004-1001

This high density alarm and monitoring data collector features signal conditioning for 50 field sensors.

Multilevel isolation ensures high reliability and noise immunity.

Field programmability and flexibility for distributed or centralized monitoring.

## FEATURES

- 32 digital inputs configurable as:
  - ◆ Normally open
  - ◆ Normally closed
  - ◆ Normally open with end of line resistor (EOL)
  - ◆ Normally closed with EOL
- 16 analog inputs configurable in blocks of eight as:
  - ◆ 0 to 20 mA or 4 to 20 mA
  - ◆ -10 to 0 to +10 V<sub>DC</sub> or 0 to 10V V<sub>DC</sub>
  - ◆ Type E Thermocouple or 0 to 100 mV<sub>DC</sub>
  - ◆ Type J or Type K Thermocouple or 0 to 50 mV<sub>DC</sub>
- Two frequency inputs
  - ◆ 2 to 32000 Hz
  - ◆ RPM scaling capability
- Electronic isolation between digital, analog, frequency and micro-logic circuitry
- Two communication ports
  - ◆ 2-wire RS485
  - ◆ Two wires for interrupt capability
  - ◆ Configurable Baud rate.
- Built-in ambient temperature sensor for thermocouple cold junction compensation and brick temperature monitoring

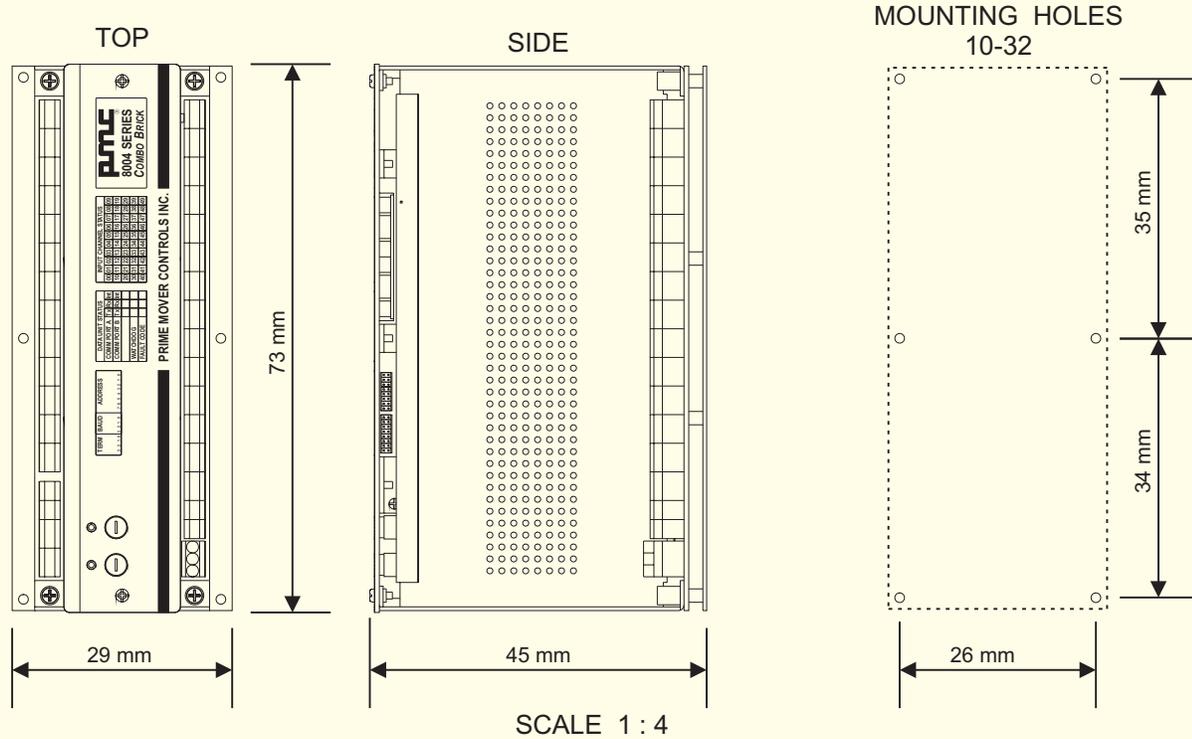
## COMBO BRICK

- 32 Digital Inputs
- 16 Analog Inputs
- 2 Frequency Inputs



**PRIME MOVER CONTROLS INC.**

## DIMENSIONS FOR 8004 SERIES COMBO BRICK



### SPECIFICATIONS:

#### Supply:

- Nominal 24 V<sub>DC</sub>, range 18 to 35 V<sub>DC</sub>
- Reverse and over voltage protection to 120 V<sub>AC</sub>
- Typical 250 mA nominal current draw, 500 mA full load
- Input power fuse ABC-2
- Sensor power fuse ABC-2

#### Environmental:

- Operating temperature -25 to +70°C
- Storage temperature -40 to +85°C
- Vibration: Frequency range 3 to 100 Hz  
Peak to peak amplitude 2mm below 13.2 Hz  
Acceleration amplitude 0.7 g above 13.2 Hz

#### Physical:

- Dimensions:  
292.0 mm L × 117.0 mm W × 179 mm H  
(11.49" L × 4.61" W × 7.05" H)
- Weight, typical 1.702 kg (3.75 lbs)
- Terminal blocks for 14 to 20 AWG wires
- IP30 compliance

## PRIME MOVER CONTROLS INC.

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