CAL MAXVU Datasheet

Temperature and **Process Controller**



Overview

MAXVU has been designed to offer essential temperature control in a device that's easy to install, fast to program, with improved display visibility.

MAXVU provides an affordable solution for applications where primary temperature control functions such as heat only or heat/cool are needed, It offers a universal input and up to 3 outputs with a choice of either relay or SSR Drive.

Specification

Input

Thermocouple J, K, C, R, S, T, B, L, N.

RTD 3 Wire PT100

DC Linear 0 to 20mA, 4 to 20mA, 0 to 50mV, 10 to 50mV, 0 to 5V,

1 to 5V, 0 to 10V, 2 to 10V.

Scalable -1999 to 9999, with adjustable decimal point

Thermocouple ±0.25% of full range ±1 LSD (±1°C for Accuracy

thermocouple CJC).

PT100 ±0.25% of full range, ±1LSD, DC Linear±0.2%

of full range, ±1LSD.

Sampling 4 per second

Impedance >10M Ω resistive, except DC mA (5 Ω) and V (47K Ω)

Sensor Break <2 seconds (except zero based DC ranges), high Detection

alarms activate for T/C, RTD and mV ranges, low

alarms activate for mA or V ranges

Outputs & Options

Relay SPST Form A relay; current capacity 2A at

250VA.

>150,000 operations at rated voltage/current,

resistive load

SSR Drive capability >10V DC @ 20mA

Serial 2 Wire RS485, 1,200 to 38,400 bps, Modbus RTU

Communications

Operating and Environmental

Temperature &

RH

0 to 55°C (-20 to 80°C storage), 20% to 95% RH non-condensing

Power Supply 100 to 240V 50/60Hz (mains powered version)

24V DC/AC +10%/-15%, AC 50/60Hz (low voltage version)

Front Panel Protection

IP65 (Behind panel IP20)



At a Glance

- 1/8 DIN (96 x 48mm) and 1/16 DIN (48 x 48mm)
- Universal input
- Up to 3 outputs
- RS485 communications option
- · Fast configuration
- Large clear display
- Depth 67mm

Key Features

- High visibility 18mm display digits (10.2mm lower display 1/16 DIN)
- Quick setup menu with top 10 configuration parameters
- Thermocouple, PT100 or linear DC sensor input
- · Up to 3 outputs, relay or SSR
- · 2 process alarms, high/low, deviation or band.
- 3 button operation
- 2 x 4 digit display and 3 output status LEDs
- · Front panel configuration or via PC configuration software
- RS485 Modbus RTU communications

Specification

Standards CE

Complies with EN61326 (Susceptibility & Emissions) **EMI**

Safety Considerations Complies with EN61010-1 & UL61010-1

Pollution Degree 2, Installation Category II

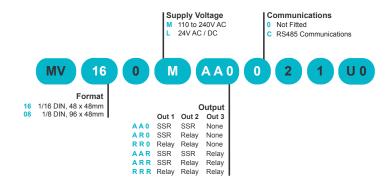
Dimensions (Front $1/16 DIN = 48 \times 48 mm$ Fascia) $1/8 DIN = 96 \times 48 mm$

Weight 1/8 DIN, 0.12kg excluding packaging

1/16 DIN x 0.08kg excluding packaging

Communications RS485 Modbus RTU communication option

Ordering Code and MAXVU Configuration Software



MAXVU Configuration software

Controllers can be programmed quickly using the dedicated PC configuration tool via MAXVU's integral configuration port.

- Logical menu driven interface
- Tables with dropdown menus
- Graphical setup wizard with informative help panel
- Save configuration files
- Print report of controller settings

