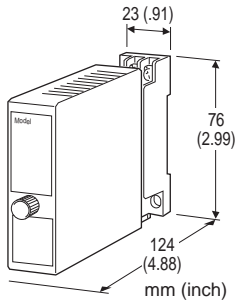


## Super-mini Signal Conditioners Mini-M Series

### VOLTAGE DIVIDER

#### Functions & Features

- Steps down a voltage too high to be input to a general transmitter
- Divided to 1/1000 or by a specified ratio



### MODEL: M2VV-[1][2]

#### ORDERING INFORMATION

- Code number: M2VV-[1][2]
- Specify a code from below for [1] and [2].  
(e.g. M2VV-1/Q)
- Special ratio (For code 0)
  - Specify the specification for option code /Q  
(e.g. /C01/S01)

#### [1] DIVIDING RATIO

- 1: 1/1000  
0: Specify

#### [2] OPTIONS

##### Other Options

- blank: none  
/Q: Option other than the above (specify the specification)

#### SPECIFICATIONS OF OPTION: Q (multiple selections)

##### COATING (For the detail, refer to M-System's web site.)

- /C01: Silicone coating
- /C02: Polyurethane coating
- /C03: Rubber coating

##### TERMINAL SCREW MATERIAL

- /S01: Stainless steel

#### GENERAL SPECIFICATIONS

- Construction:** Plug-in
- Connection:** M3 screw terminals (torque 0.8 N·m)
- Housing material:** Flame-resistant resin (black)

#### INPUT & OUTPUT

- Dividing ratio:** 1/300 - 1/1000
- Input voltage:** Any specific DC voltage value up to  $\pm 1200$  V
- Input resistance:** Approx. 1.1 M $\Omega$
- Output voltage:** Input Voltage  $\times$  Dividing Ratio
- Output resistance:** Approx. 1.1 k $\Omega$  with 1/1000 ratio;  
Output Resistance [k $\Omega$ ]  $\approx$  Dividing Ratio  $\times$  1100

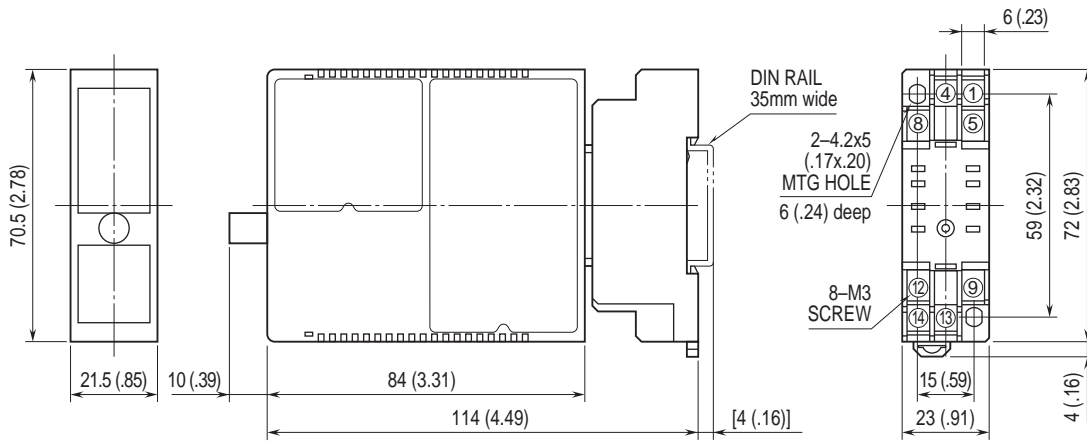
#### INSTALLATION

- Operating temperature:** -5 to +60°C (23 to 140°F)
- Operating humidity:** 30 to 90 %RH (non-condensing)
- Mounting:** Surface or DIN rail  
(Multiple installation bases can not be used.)
- Weight:** 150 g (0.33 lbs)

#### PERFORMANCE in percentage of span

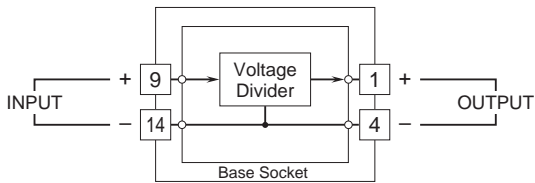
- Accuracy:**  $\pm 0.2$  %
- Temp. coefficient:**  $\pm 0.005$  %/°C ( $\pm 0.003$  %/°F)
- Insulation resistance:**  $\geq 100$  M $\Omega$  with 500 V DC
- Dielectric strength:** 2000 V AC @1 minute (input or output to ground)

## DIMENSIONS unit: mm (inch)



• When mounting, no extra space is needed between units.

## SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Specifications are subject to change without notice.