

VM-5 SERIES MONITOR  
SPECIFICATIONS

MODEL VM-5Y5 RELAY MODULE UNIT  
FOR VIBRATION MONITOR  
(CONNECTOR TYPE)

Model Code / Additional Spec. Code ( No entry if additional spec. code is not specified. )

VM-5Y5-  -  -  /TRP/CEM

| Arc suppressor | Input                           | Contact method (DANGER) | Contact method (ALERT) | Contact method (OK) | Husing fix screw size | Tropical spec. | CE marking |
|----------------|---------------------------------|-------------------------|------------------------|---------------------|-----------------------|----------------|------------|
| 0 Provided     | 1 CA Series,CV-86 *1            | 1 NO                    | 1 NO                   | 1 NO                | 0 #4-40UNC            |                |            |
| 1 Not provided | 2 CV-85,CV-87 *2<br>VK,FK<br>VC | 2 NC                    | 2 NC                   | 2 NC                | 1 M2.6x0.45           |                |            |

Note) \*1 2-wire transducer requiring a constant current power supply(4mA, 24VDC).  
\*2 3-wire transducer requiring a -24VDC power supply, or any other transducer that does not cause power to be supplied from the monitor to the transducer.

| Standard Specifications         |  | Standard Specifications  |   |
|---------------------------------|--|--|---|
| I/O CONNECTOR<br>TERMINAL BLOCK | D-Sub 9P connector 1pc.(CN1)<br>CN1: Buffer output 1CH<br>Alarm output<br>L : -1 to +1V<br>H : 4V to 6V<br>OK (1 point), ALERT, DANGER (each 2 points)<br>Housing fix screw : #4-40UNC or M2.6x0.45<br>Specified when ordering.<br>Unless specified otherwise, preset to #4-40UNC.<br>Recommended connector(Socket side)<br>Connector Housing<br>XM2D-0901 XM2S-0913(#4-40UNC) [OMRON]<br>XM2S-0911(M2.6x0.45 )<br>GM(E)-9F GM-9LD55GU(#4-40UNC)<br>GM-9LD55G(M2.6x0.45 ) [HONDA]<br>Terminal block 16P<br>Input transducer : 1CH<br>Contact output : OK 1 point<br>ALERT, DANGER (each 2 points)<br>Recorder output : 1CH | RELAY POINTS   | 5 points (DANGER1, ALERT1, DANGER2, ALERT2, OK) |
|                                 | POWER OUTPUT FOR TRANSDUCER  | Model Code No. of input signal "1" :<br>2 wire constant current power supply 4mA, 24VDC<br>Model Code No. of input signal "2" : -24VDC, 40mA           |   |
|                                 | CONTACT RATING (LOAD RESISTANCE)   | 250VAC, 5A 30VDC, 5A   |   |
|                                 | CONTACT LIFE   | 100,000 times or more (rated load)   |   |
|                                 | PROTECTIVE CONSTRUCTION  | Plastic seal   |   |
|                                 | TEMPERATURE RANGE  | Operating temperature : 0 to 65°C (32 to 149°F)<br>Storage temperature : -30 to +85°C (-22 to +185°F)<br>Relative humidity : 20 to 95% (noncondensing) |   |
|                                 | MASS   | max.0.4kg  |   |
|                                 | OTHERS   |  |   |
|                                 |  |  |   |
|                                 |  |  |   |

Note) VM-5Y5 RELAY MODULE UNIT can not correspond to isolation recorder output specification.

Alarm contact operation

| Monitor alarm relay mode         | Monitor power OFF | Monitor power ON |             |
|----------------------------------|-------------------|------------------|-------------|
|                                  |                   | Normal state     | Alarm state |
| NO contact NORMALLY DE-ENERGIZED | OPEN              | OPEN             | CLOSE       |
| NO contact NORMALLY ENERGIZED    | OPEN              | CLOSE            | OPEN        |
| NC contact NORMALLY DE-ENERGIZED | CLOSE             | CLOSE            | OPEN        |
| NC contact NORMALLY ENERGIZED    | CLOSE             | OPEN             | CLOSE       |