INSTRUCTION MANUAL

2-input MATH FUNCTION MODULE (field-programmable)

Thank you for choosing M-System. Before use, check specifications on the unit label.

If you have any problems or questions with the product, please contact *M*-System's Sales Office or representatives.

General Description

The M-UNIT Model JF accepts 2 analog inputs and proceeds the 4 basic operations of arithmetic, temperature and pressure compensation for gas flow.

• Programming Unit PU-2^D available for selecting the equations and adjusting the parameters

Installation [Scale: mm(inch)]

• Operating temperature: -5 to +55°C (23 to 131°F)

• Operating humidity: 30 to 90% RH (non-condensing)

Keep away from water, corrosive gas, dust and vibration. Wall or DIN rail mounting available. Use DIN rail of 35 mm width.



When mounting, no extra space is needed between units.

Terminal Connections

Make wiring to terminals as shown in the figure below. Use the socket provided with the module.

model



Adjustments

This module is factory calibrated within $\pm 0.1\%$ of reference input level. Adustment of input range, ZERO and SPAN is made with PU-2^{_}. DO NOT TURN OFF POWER SUPPLY TO THE MODULE WHILE THE PU-2^{_} IS CONNECTED. ALL MEMORY WILL BE LOST IF POWER IS REMOVED.

Troubleshooting

When output is irregular, check the following points:

- A) Terminal wiring
- B) Power wiring and polarity
- C) Input: Check voltage across the terminal 3 (+) 4 (–) and 5 (+) 6 (–) with a voltmeter.
- D) Output: With current output, be sure that load resistance is within the permissible limit including wiring resistance. With voltage output, check that the minimum load is met.

M-SYSTEM WARRANTY

M-System warrants such new M-System product which it manufactures to be free from defects in materials and workmanship during the 36-month period following the date that such product was originally purchased if such product has been used under normal operating conditions and properly maintained, M-System's sole liability, and purchaser's exclusive remedies, under this warranty are, at M-System's option, the repair, replacement or refund of the purchase price of any M-System product which is defective under the terms of this warranty. To submit a claim under this warranty, the purchaser must return, at its expense, the defective M-System product to the below address together with a copy of its original sales invoice. THIS IS THE ONLY WARRANTY APPLICABLE TO M-SYSTEM PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. M-SYSTEM SHALL HAVE NO LIABILITY FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES OF ANY KIND WHATSOEVER.

M-System Co., Ltd., 5-2-55, Minamitsumori, Nishinari-ku, Osaka 557-0063 JAPAN, Phone: (06) 6659-8201, Fax: (06) 6659-8510, E-mail: info@m-system.co.jp

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