

SELF-SYNCH TRANSMITTER (field-programmable)

model

JS

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

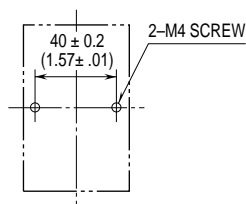
The M-UNIT Model JS receives position signal from a self-synch and outputs a DC signal proportional to the rotating shaft position. When the JS is used in conjunction with a conventional self-synch system, a remote control and recording is realized with ease.

- Stable performance in any ambient condition
- Advantage of self-synch plus remote transmission
- Solid state circuit: small and light
- Easy ranging and adjustments by using Programming Unit PU-2□

Installation [Scale: mm(inch)]

- Operating temperature: -5 to +55°C (23 to 131°F)
- Operating humidity: 30 to 90% RH (non-condensing)

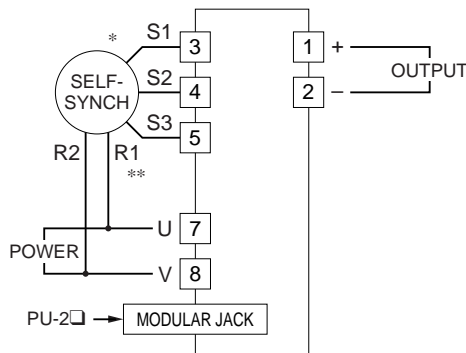
Keep away from water, corrosive gas, dust and vibration. Wall or DIN rail mounting available. Use DIN rail of 35 mm width.



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.



* The output increases when the self-synch rotates clockwise. For changing the operation to counterclockwise, reverse the connection of S2 and S3.

** Be sure that the polarity of the power input to the JS matches to the self-synch input polarity. When the connection is reversed, the JS output will be shifted by 180°.

Adjustments

This module is factory calibrated within $\pm 0.2\%$ or 0.5% (greater value) of reference input level. Adjustment of input range, ZERO and SPAN is made with PU-2□.

Input zero bias can be adjusted with multi-turn screw driver in front. 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:

- Terminal wiring
- Power wiring and polarity
- Input: Check wiring across JS and self-synch as follows; 3 – S1, 4 – S2, 5 – S3, 7 – R1, and 8 – R2.
- 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.

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