

ANALOG I/O MODULE
(Fuji Electric T-Link use)

MODEL

61F**BEFORE USE**

Thank you for choosing M-System. Before use, please check contents of the package you received as outlined below.

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

■ PACKAGE INCLUDES:

Analog I/O module (body + base socket)(1)

■ MODEL NO.

Confirm Model No. marking on the product to be exactly what you ordered.

■ INSTRUCTION MANUAL

This manual describes necessary points of caution when you use this product, including installation, connection and basic maintenance procedures.

POINTS OF CAUTION**■ POWER INPUT RATING & OPERATIONAL RANGE**

- Locate the power input rating marked on the product and confirm its operational range as indicated below:
85 – 132V AC rating: 85 – 132V, 47 – 66 Hz, approx. 3VA
24V DC rating: 24V ±10%, approx. 4W, approx. 160mA

■ GENERAL PRECAUTIONS

- Before you remove the unit or mount it, turn off the power supply, input signal and output signal for safety.

■ ENVIRONMENT

- Indoor use.
- When heavy dust or metal particles are present in the air, install the unit inside proper housing with sufficient ventilation.
- Do not install the unit where it is subjected to continuous vibration. Do not subject the unit to physical impact.
- Environmental temperature must be within -5 to +55°C (23 to 131°F) with relative humidity within 30 to 90% RH in order to ensure adequate life span and operation.

■ WIRING

- Do not install cables close to noise sources (relay drive cable, high frequency line, etc.).
- Do not bind these cables together with those in which noises are present. Do not install them in the same duct.

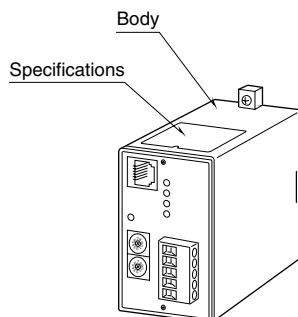
■ AND

- The unit is designed to function as soon as power is supplied, however, a warm up for 10 minutes is required for satisfying complete performance described in the data sheet.

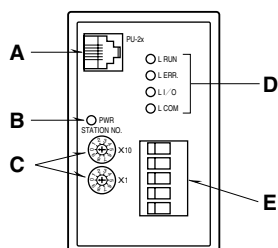
INSTALLATION

Use the Installation Base (model: MxBS2).

COMPONENT IDENTIFICATION



FRONT PANEL CONFIGURATION

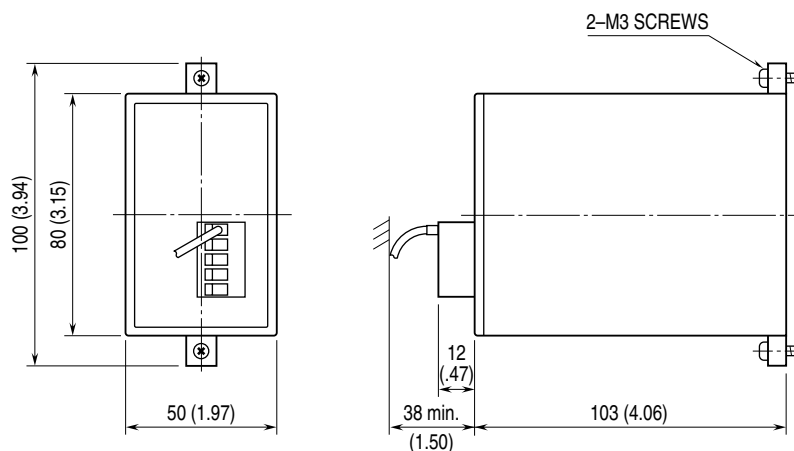


| | NAME | FUNCTIONS | |
|---|---|---|---|
| A | Modular jack for factory calibration | Used only for factory calibration. | |
| B | Power indicator LED | MARKING (color) | FUNCTIONS |
| | | PWR (green) | ON: Powered. OFF: No Power |
| C | Station No. setting | Selectable within 00 – 99. (factory set to: 00) | |
| D | Status indicator LED | MARKING (color) | FUNCTIONS |
| | | L RUN (red) | ON: Normal Communication OFF: Communication Cutoff (Timeout Error) |
| | | L ERR. (red) | ON: Communication Data Error OFF: Normal Communication |
| | | L I/O (red) | Blinking during normal I/O function |
| | | L COM (red) | Blinking during normal T-Link Communication |
| E | Euro type connector terminal for T-Link | For wiring to T-Link | |

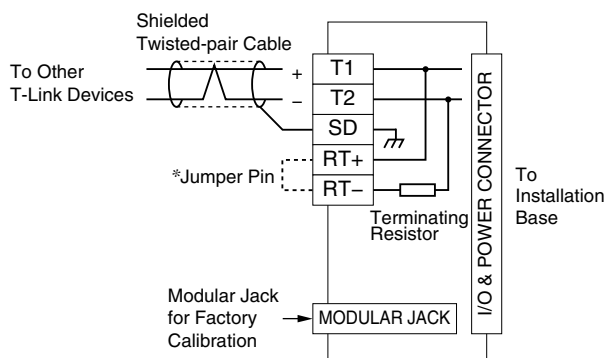
TERMINAL CONNECTIONS

Connect the unit as in the diagram below.

EXTERNAL DIMENSIONS unit: mm (inch)



CONNECTION DIAGRAM



- * When the unit is located at the end of transmission line via twisted-pair cable (= no cross-wiring), short across the RT+ and RT- terminals with the jumper pin (or wire) provided with the unit.
Remove the jumper pin for the one not located at the end.
Note: Use terminals T1, T2 and SD for cross-wiring.

WIRING INSTRUCTIONS

EURO TYPE CONNECTOR TERMINAL (T-Link)

Applicable wire size: 0.2 to 2.5 mm² (AWG24 to 12)
Stripped length: 7 mm

LIGHTNING SURGE PROTECTION

M-System offers a series of lightning surge protectors for protection against induced lightning surges. Please contact M-System to choose appropriate models.