

**INSTALLATION BASE
(8 positions)**

MODEL **M80BS-8**

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:

Installation base.....(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

■ CONFORMITY WITH EU DIRECTIVES

- The equipment must be mounted inside a panel.
- The actual installation environments such as panel configurations, connected devices, connected wires, may affect the protection level of this unit when it is integrated in a panel system. The user may have to review the CE requirements in regard to the whole system and employ additional protective measures to ensure the CE conformity.
- Install lightning surge protectors for those wires connected to remote locations.

■ POWER INPUT RATING & OPERATIONAL RANGE

- Locate the power input rating marked on the product and confirm its operational range as indicated below:
24V DC rating: 24V ±10%, approx. ≤ 0.5A

■ GENERAL PRECAUTIONS

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

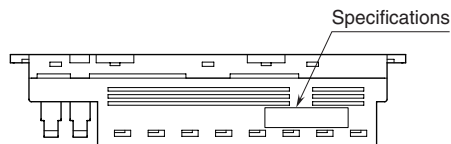
■ ENVIRONMENT

- 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 5 to 95% RH in order to ensure adequate life span and operation.

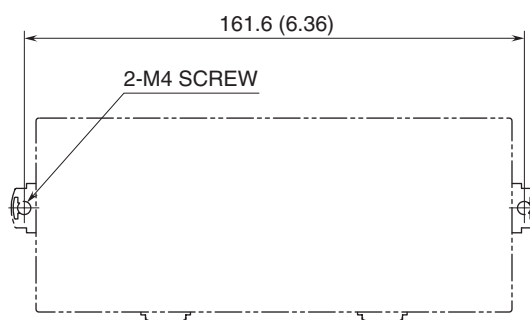
■ WIRING

- 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.

COMPONENT IDENTIFICATION



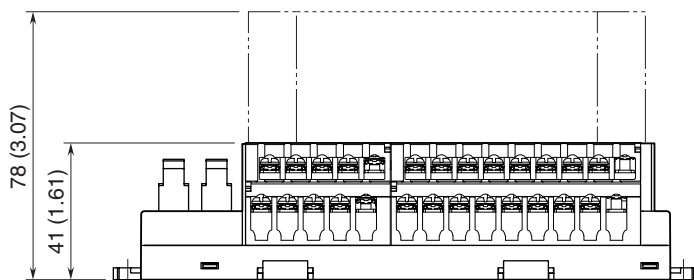
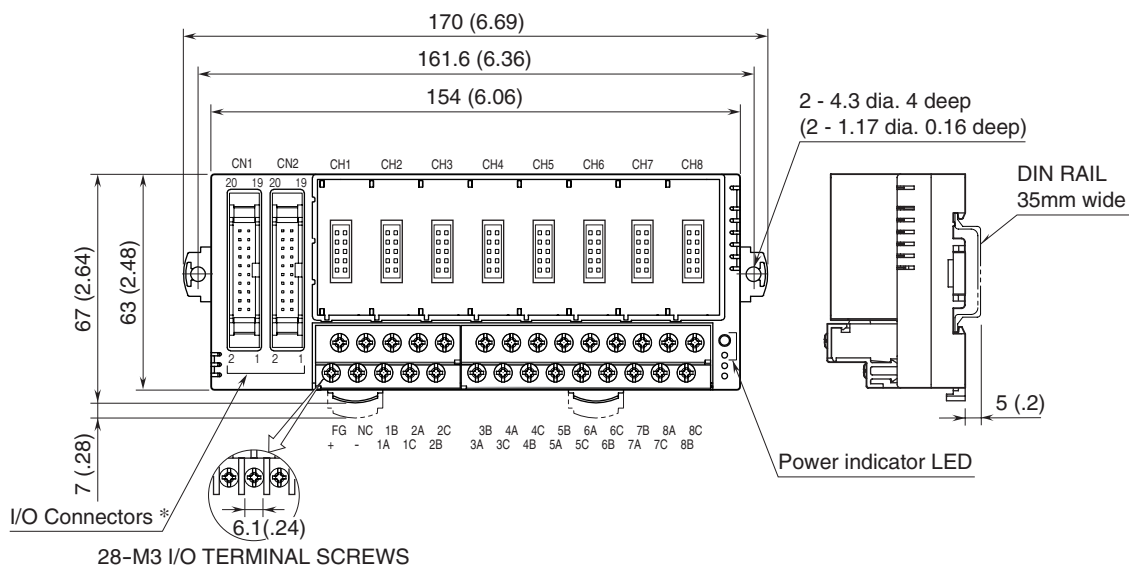
MOUNTING REQUIREMENTS unit: mm (inch)



TERMINAL CONNECTIONS

Connect the unit as in the diagram below.

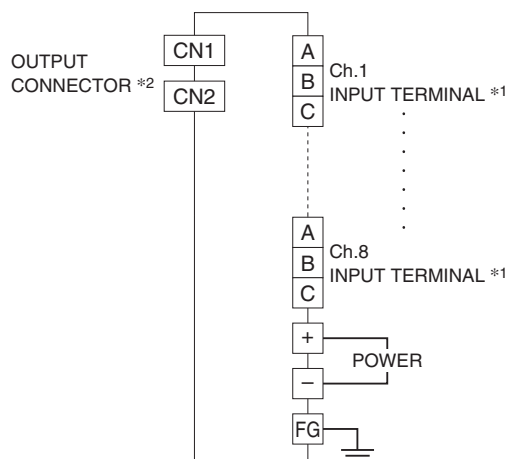
■ EXTERNAL DIMENSIONS unit: mm (inch)



* CN2 is not provided for M80BS-811 or M80BS-821.

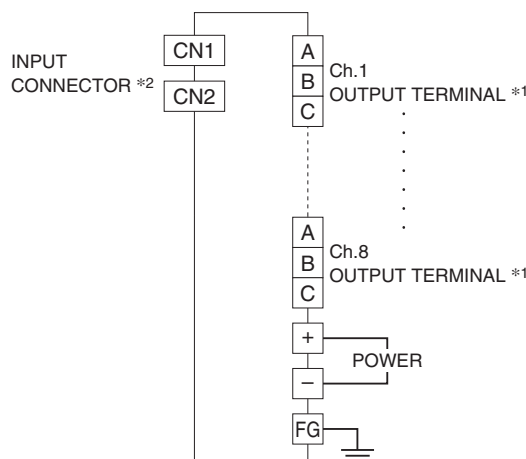
■ CONNECTION DIAGRAM

- MODEL: M80BS-81(Input)
- CONNECTION DIAGRAM



*1 Terminal A: positive input, Terminal B: negative input
 *2 CN2 is not provided for M80BS-811
 Note: Use shielded cables for I/O wiring.

- MODEL: M80BS-82(Output)
- CONNECTION DIAGRAM



*1 Terminal A: positive output, Terminal B: negative output
 *2 CN2 is not provided for M80BS-821
 Note: Use shielded cables for I/O wiring.

• CONNECTOR PIN ASSIGNMENT

Output connector: 3M Company 3428-6002

CN1: Output

CN2: Output

PIN NO.	ASSIGNMENT	PIN NO.	ASSIGNMENT
1	FG	11	ch.5 -
2	FG	12	ch.5 +
3	N.C.	13	ch.4 -
4	N.C.	14	ch.4 +
5	ch.8 -	15	ch.3 -
6	ch.8 +	16	ch.3 +
7	ch.7 -	17	ch.2 -
8	ch.7 +	18	ch.2 +
9	ch.6 -	19	ch.1 -
10	ch.6 +	20	ch.1 +

• CONNECTOR PIN ASSIGNMENT

Input connector: 3M Company 3428-6002

CN1: Input

CN2: Input

PIN NO.	ASSIGNMENT	PIN NO.	ASSIGNMENT
1	Power output -	11	ch.5 -
2	Power output -	12	ch.5 +
3	Power output +	13	ch.4 -
4	Power output +	14	ch.4 +
5	ch.8 -	15	ch.3 -
6	ch.8 +	16	ch.3 +
7	ch.7 -	17	ch.2 -
8	ch.7 +	18	ch.2 +
9	ch.6 -	19	ch.1 -
10	ch.6 +	20	ch.1 +

WIRING INSTRUCTIONS

■ SCREW TERMINAL

Torque: 0.6 N·m

CHECKING

- 1) Terminal wiring: Check that all cables are correctly connected according to the connection diagram.
- 2) Power input voltage: Check voltage across the power terminals.
- 3) Installation & environment