

**INSTALLATION BASE
(8 positions)**

MODEL **M80BS-8**

BEFORE USE

Thank you for choosing us. 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 our 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. ≤ 0.6A

■ GENERAL PRECAUTIONS

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

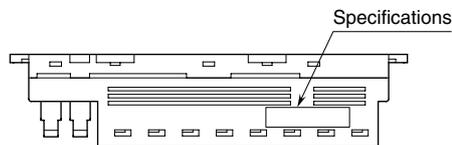
■ ENVIRONMENT

- 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.

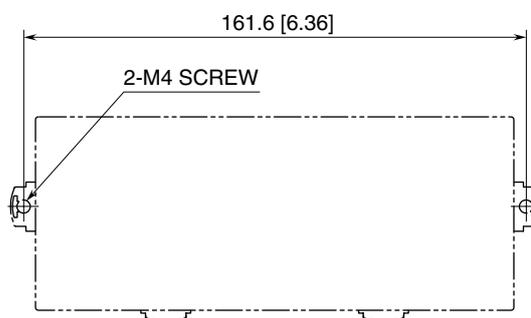
■ WIRING

- 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



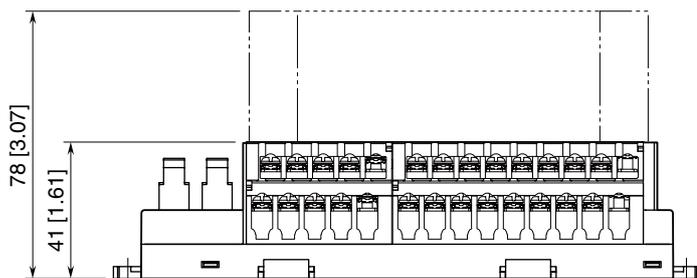
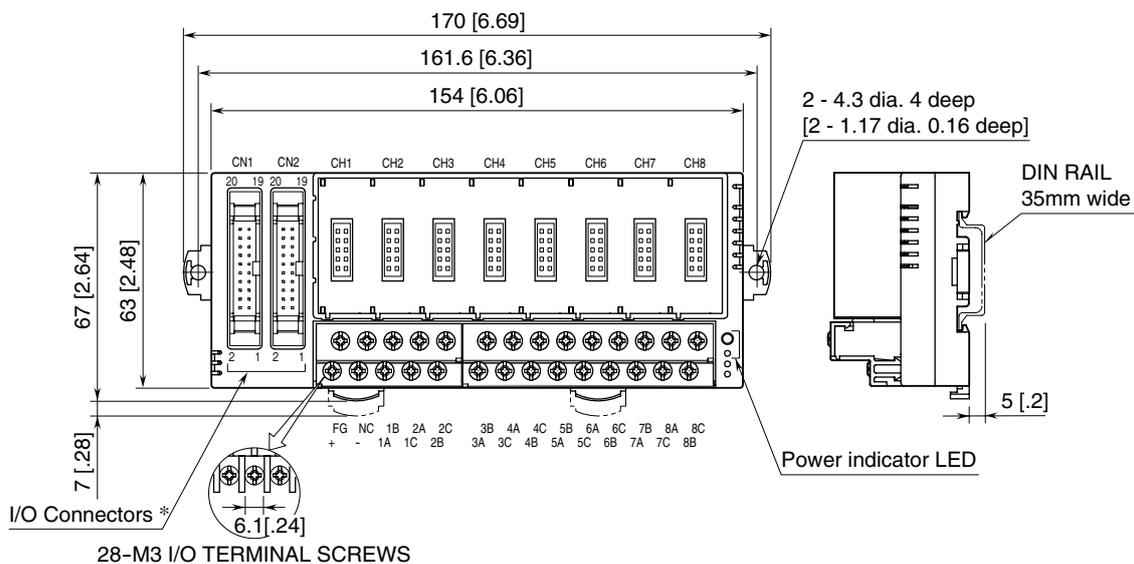
MOUNTING REQUIREMENTS unit: mm (inch)



TERMINAL CONNECTIONS

Connect the unit as in the diagram below.

■ EXTERNAL DIMENSIONS unit: mm (inch)

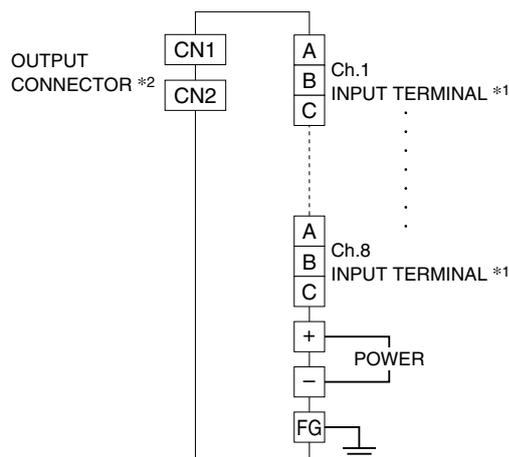


* CN2 is not provided for M80BS-811 or M80BS-821.

■ CONNECTION DIAGRAM

■ MODEL: M80BS-81(Input)

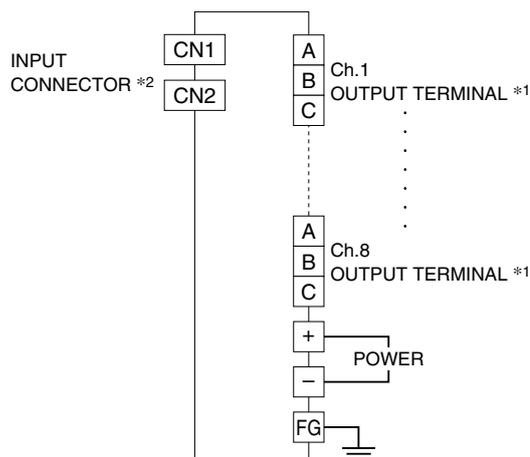
• CONNECTION DIAGRAM



*1 Refer to the connection diagram of the modules for each terminal.
 *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