INSTRUCTION MANUAL

ONE-SHOT OUTPUT RELAY CARD
(with test switch)

MODEL **38BSH3**

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:

One-shot output relay card.....(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

- This equipment is suitable for Pollution Degree 2 and Measurement Category II (output, transient voltage 2500V). Reinforced insulation (input or power to Ch. 1 to Ch. 2) is maintained. Prior to installation, check that the insulation class of this unit satisfies the system requirements.
- Altitude up to 2000 meters.
- The equipment must be mounted inside a panel.
- The equipment must be installed such that appropriate clearance and creepage distances are maintained to conform to CE requirements. Failure to observe these requirements may invalidate the CE conformance.
- 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. 50mA

■ GENERAL PRECAUTIONS

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

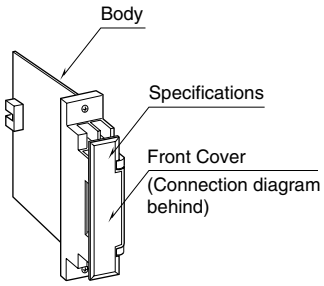
■ ENVIRONMENT

- 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.

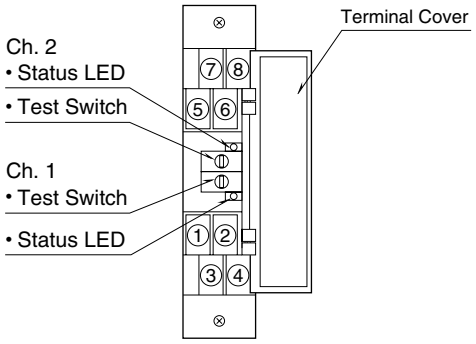
■ WIRING

- 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.

COMPONENT IDENTIFICATION



■ FRONT PANEL CONFIGURATION



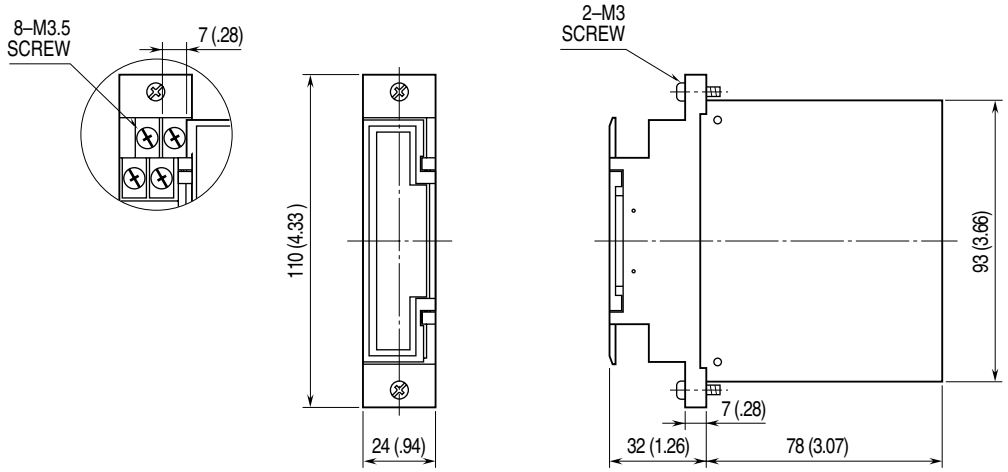
INSTALLATION

Use the Standard Rack (model: 38BXx).

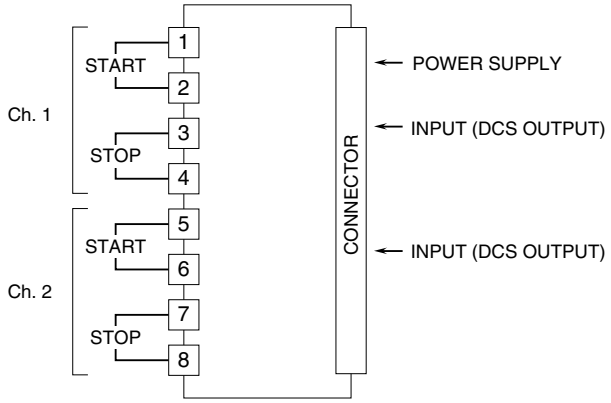
TERMINAL CONNECTIONS

Connect the unit as in the diagram below or refer to the connection diagram behind the front cover.

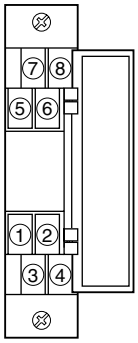
■ EXTERNAL DIMENSIONS unit: mm (inch)



■ CONNECTION DIAGRAM



■ TERMINAL ASSIGNMENTS

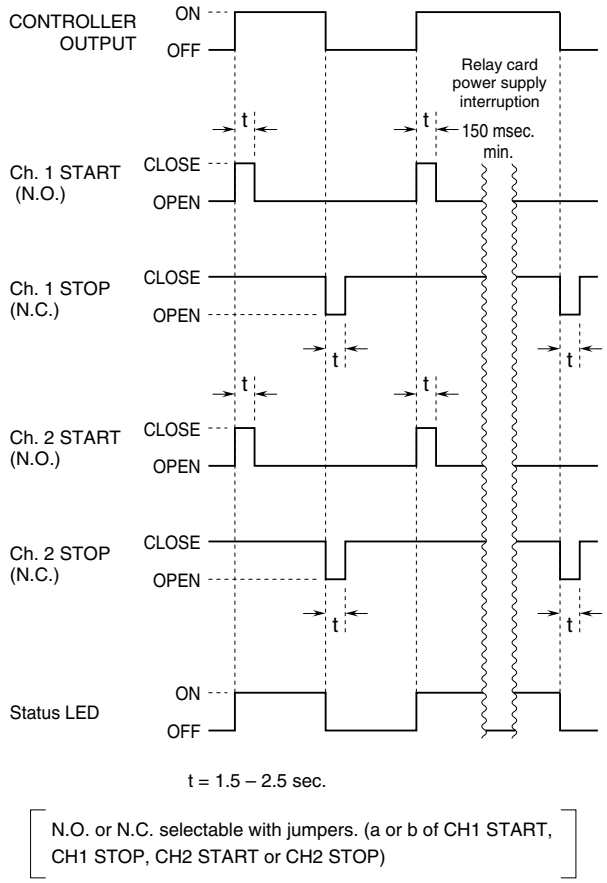


WIRING INSTRUCTIONS

■ SCREW TERMINAL

Torque: 0.8 N·m

OPERATION



t = 1.5 – 2.5 sec.

N.O. or N.C. selectable with jumpers. (a or b of CH1 START, CH1 STOP, CH2 START or CH2 STOP)

CHECKING

1) Terminal wiring: Check that all cables are correctly connected according to the connection diagram.
2) Power input voltage: Check voltage supplied to the rack (model: 38BXx). For the DC power source, be sure that the ripple level is within 10% p-p.
3) Input: Check that the input signal is correct.
4) On and off the input to check that the status LED on and operational clicking sound of the relay.
5) Output load: Max. 250V AC/3A, 30V DC/3A

   Recommended to protect the contact and to eliminate noise when driving an inductive load.

LIGHTNING SURGE PROTECTION

We offer a series of lightning surge protector for protection against induced lightning surges. Please contact us to choose appropriate models.