

**STANDARD RACK  
(2 positions, with air manifold)**

**MODEL 18BXUA**

**BEFORE USE ....**

Thank you for choosing us. Before use, check the contents of the package you received.

If you have any problems or questions with the product, please contact our sales office or representatives.

**■ PACKAGE INCLUDES:**

Standard rack.....(1)

**■ MODEL NO.**

Confirm that the model number described on the product is exactly what you ordered.

**■ INSTRUCTION MANUAL**

This manual describes necessary points of caution when you use this product, 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 – 63 Hz, max. 15VA

24V DC rating: 24V ±10%

**■ ENVIRONMENT**

- Indoor use
- When heavy dust or metal particles are present in the air, install the rack inside proper housing and ventilate it.
- Do not install the rack where it is subjected to continuous vibration. Do not apply physical impact to the unit.
- Environmental temperature must be within -5 to +55°C (23 to 131°F) or 0 to 55°C (32 to 131°F) for AC power supply, with relative humidity within 30 to 90% RH in order to ensure adequate life span and operation.

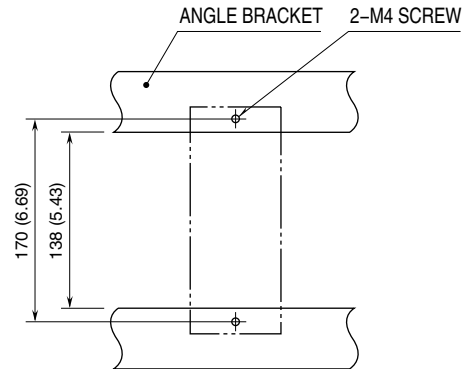
**■ WIRING**

- Do not install cables (power supply, input and output) 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.

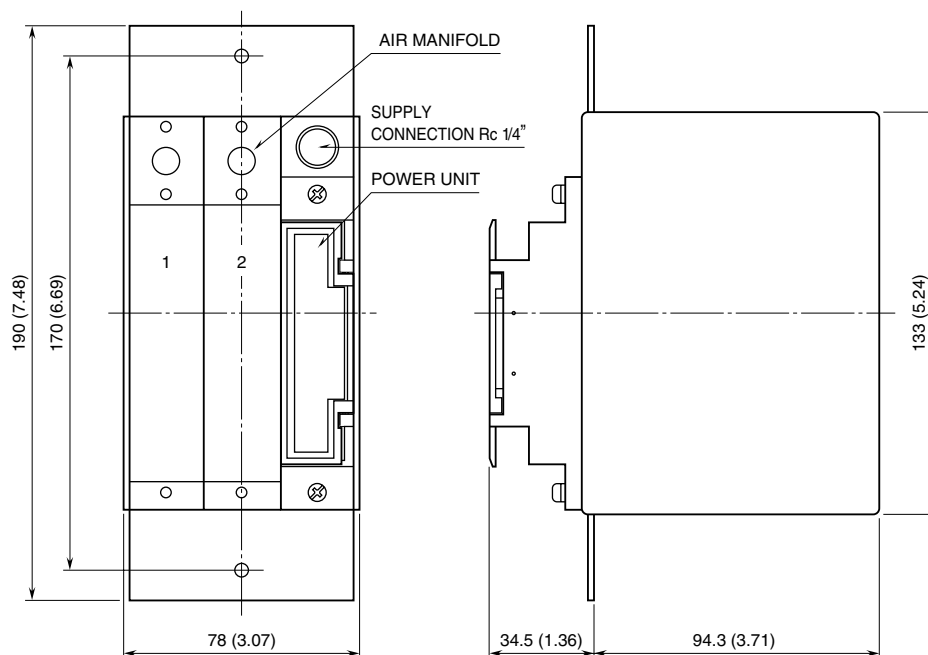
**MOUNTING REQUIREMENTS mm (inch)**



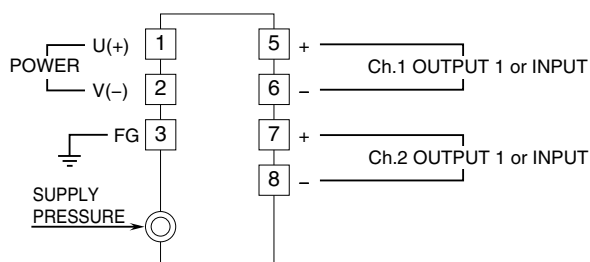
## TERMINAL CONNECTIONS

Connect the unit as in the diagram below.

### EXTERNAL DIMENSIONS mm (inch)



### CONNECTION DIAGRAM



### SCREW TERMINAL

Torque: 0.8 N·m

## PNEUMATIC CONNECTIONS

Select a proper pipe diameter for the required flow volume. Insert a stopping valve at the pipe connection to the air header for easy testing and maintenance.

The pneumatic connections are female screwed of Rc 1/4". The tightening torque must not amount to 12 N·m or more. Use dry air containing no carbon black or other foreign particles. To ensure reliability, use an air filter (0.01 microns). Be sure that no water, oil or dust particles enter the transducer or signal conditioner by way of supply air.

Before connecting pipes, blow air through each of them at least for 3 minutes at 140 kPa (1.4 kgf/cm<sup>2</sup>, 1.4 bar or 20 psig). Check that there is no air leak at the connection after sealing it.

## CHECKING

- 1) Terminal wiring: Check that all cables are correctly connected according to the connection diagram.
- 2) Power input voltage: Check voltage across terminals 1–2. For DC power source, be sure that the ripple level is 10% p-p or less.
- 3) Supply pressure: 140 kPa (1.4 kgf/cm<sup>2</sup>, 1.4 bar or 20 psig)
- 4) Pneumatic connection: Be sure that there is no air leak at the connection.
- 5) Installation & environment: Check ambient temperature. Also check that there are no excessive dust particles around. Check that there is no vibration.