To prevent electric shock or instrument failure, do not turn on the power until all wiring is completed. Make sure that the wiring is correct and that all connections are secure.

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### Mounting Cautions

1. This instrument is intended to be used under the following environmental conditions.
   - Absolute humidity: Max. 20°C (g/dm³) at 101.3 kPa
   - Water, oil, chemicals, vapor or steam
   - Avoid the instrument from electric shock by reinforcing insulation between the wire for the input signal and the wires for instrument power supply, source of power and loads.
   - Avoid the contact with adjacent conductive parts.

2. Wiring Cautions
   - For detailed handling procedures and key operations, refer to separate Instruction Manual: Instruction Manual: 1 (IMR01N11-E8)
   - Use a special shielded cable for connection with the pressure sensor.
   - Use a special shielded cable for connection with the sensor power supply terminals to achieve the most effective noise reduction.
   - To prevent instrument damage as a result of failure, protect the power line and the input/output signal lines from electric discharge, lightning, and other high voltage equipment, power lines, and rotating machinery.

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### Dimensions

- **HA430** (Unit: mm)
  - Width: 91.8
  - Depth: 26.2
  - Height: 35.0

- **HA930** (Unit: mm)
  - Width: 91.8
  - Depth: 26.2
  - Height: 35.0

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### Power supply

- **Power supply voltage:**
  - 21.6 to 26.4 V AC [Including power supply voltage variation] (Rating: 24 V AC), 50/60 Hz
  - 21.6 to 26.4 V DC [Including power supply voltage variation] (Rating: 24 V DC)

- **Rated voltage (EXC):** 8 V DC

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### Specifications

- **Power supply:** 90 to 264 V AC [Including power supply voltage variation] (Rating: 100 to 240 V AC), 50/60 Hz
- **Power output:**
  - 16.5 W max. (at 100 V AC)
  - 12 W max. (at 240 V AC)
  - 15.5 W max. (at 24 V AC)
  - 11.5 W max. (at 42 V AC)

- **Power consumption:**
  - 21.6 W max. (at 100 V AC)
  - 16.5 W max. (at 240 V AC)
  - 15.5 W max. (at 24 V AC)

- **Current:**
  - 150 mA max. (at 24 V AC)
  - 250 mA max. (at 42 V AC)
  - 300 mA max. (at 42 V AC)

- **Output power:**
  - 50 W max. (at 240 V AC)
  - 30 W max. (at 100 V AC)

- **Ambient temperature:**
  - -10°C to +55°C

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### Terminal Configuration

- **Input/output 4 and 5 are not isolated from each other except for relay inputs to uns提起 with wiring input in the optional panel.**

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### Notice

- **WARNING**
  - To prevent injury to persons, damage to the instrument and the equipment, a suitable mounting device shall be employed.

- **Mounting and wiring of the product should be performed by qualified personnel.**

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### Product Check

- **Mounting bracket**
  - 2 [HA430], 4 [HA930]

- **Instruction Manual:** 1 (IMR01N11-E8)
In this mode, it is possible to set SW which is the desired value for control and also to monitor PV, SV, MV, etc. Up to 16 individual sets of SVs and parameters in Parameter setting mode can be stored and used in Multi-memory area function.

Parameters related to control such as PID constants, event set values, etc. Up to 16 individual sets of SVs and parameters in Parameter setting mode can be stored and used in Multi-memory area function.

Parameters which are not related to existing functions on the controller are not displayed.

* This lamp is activated only with 2-input controller.

Press and hold the SET key for 2 seconds.

Press and hold the SET key while pressing the SET key.

Press and hold the shift key while pressing the SET key.

Press and hold the shift key while pressing the SET key.

Press and hold the shift key while pressing the SET key.

Press and hold the SET key for 2 seconds.

Press and hold the SET key while pressing the SET key.

Press and hold the SET key while pressing the SET key.

Press and hold the SET key while pressing the SET key.

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