ANSI 4-inch round form size (when a bezel is attached)

Panel Cutout Dimensions

ANSI

42.9±0.4 (1.688±0.015)
42.9±0.4 (1.688±0.015)

ø101.6 (ø4.000)
ø7.9 (ø0.312)

Multiple Mounting

160 min. (6.299 min.)
160 min. (6.299 min.)

Normal Allowable Deviation = ±(Value of JIS B 0401-1999 tolerance grade IT18)/2
DIN 96-square instrument size

**Panel Cutout Dimensions**

Normal Allowable Deviation = ±(Value of JIS B 0401-1999 tolerance grade IT18)/2
Connection Diagrams

● Single-phase two-wire system

![Connection Diagram]

**CAUTION**
Screws marked with ★ are an essential part of the structure. For safety reasons, do not touch them.

*1: If Ethernet communication is used, the RS-485 communication interface is used specifically for the Ethernet-serial gateway function.

*2: If demand measurement is specified, the demand alarm release is selected.

Switching between 10BASE-T and 100BASE-TX takes place automatically. Switching between half duplex and full duplex takes place automatically.

*RS-485 communication*
When terminating on wiring, short-circuit terminals and .
● Single-phase three-wire system

- **Power-source side**
  - 1: N: 2
  - K: L

- **Load side**
  - U: V: W
  - P1: P0: P2
  - Fuse

- **CAUTION**
  - Screws marked with ● are an essential part of the structure. For safety reasons, do not touch them.

*1: If Ethernet communication is used, the RS-485 communication interface is used specifically for the Ethernet-serial gateway function.

*2: If demand measurement is specified, the demand alarm release is selected.

● Three-phase three-wire system

- **Power-source side**
  - 1: 2: 3
  - A: B: C

- **Load side**
  - U: V: W
  - P1: P0: P2
  - Fuse

- **CAUTION**
  - Screws marked with ● are an essential part of the structure. For safety reasons, do not touch them.

*1: If Ethernet communication is used, the RS-485 communication interface is used specifically for the Ethernet-serial gateway function.

*2: If demand measurement is specified, the demand alarm release is selected.
● Three-phase four-wire system

Power-source side

<table>
<thead>
<tr>
<th>N</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
<td>C</td>
<td>(T)</td>
</tr>
</tbody>
</table>

Load side

<table>
<thead>
<tr>
<th>K</th>
<th>L</th>
<th>J</th>
<th>I</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT</td>
<td>Fuse</td>
<td>VT</td>
<td></td>
</tr>
</tbody>
</table>

Pulse output

- Contact capacity: 30V DC, 200mA

Analog output

- Output signal: 4 to 20mA DC

Demand alarm output

- Contact capacity: 30V DC, 200mA (relative load)

RS-485 communication

- TERM: R: 120Ω (built-in)
- A: B+: RS-485
- SG

When terminating on wiring, short-circuit terminals (1) and (2).

Power supply

- L+ and N-
- PE

Operating range:

- 100-240V AC ± 10% or
- 130-300V DC ± 15%

Optional integration control signal or demand alarm release

- Voltage signal:
  - ON signal: 4.5 to 25V DC
  - OFF signal: within ±1V DC

Ethernet communication

- RJ45 connector
- 10BASE-T/100BASE-TX

Color Description
- Green: 100Mbps
- Orange: 10Mbps
- Off: Stopped

Active LED (bottom)

- Power supply

OFF signal: within 10% or 15%

ON signal: 1V DC

Active LED (top)

- Green: Full duplex
- Orange: Half duplex
- Off: Stopped

Power supply

- L+ and N-
- PE

Operating range:

- 100-240V AC ± 10% or
- 130-300V DC ± 15%

Optional integration control signal or demand alarm release

- Voltage signal:
  - ON signal: 4.5 to 25V DC
  - OFF signal: within ±1V DC

Ethernet communication

- RJ45 connector
- 10BASE-T/100BASE-TX

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