Model UT55A/MDL Controller (Mount on DIN Rail)

External Dimensions

Unit: mm (approx. inch)

Note:
Trigonometry
General tolerance: ±(JIS B 0401-1998 tolerance class IT18)/2

YOKOGAWA
Yokogawa Electric Corporation
Terminal Wiring Diagrams

Control output
- OUT (Suffix code: Type 1=-0 or -2)
  - Factory default: Relay contact output is heating-side output.
  - Factory default: Control output is relay.

Contact output
- ALM (Equipped as standard)
  - Relay contact rating: 24 V AC, 4 A (resistance load)
  - Factory default: PV input type is undefined.
  - In heating/cooling control, relay contact output is heating-side output.
  - Factory default: Control output is relay.

Power supply
- 24 V AC/DC power supply
  - Factory default: Cooling-side control output is relay.
  - Can be used for retransmission output or 15 V DC loop power supply when current/voltage pulse output is not used for control output.
  - Current output range can be changed.

Contact input
- DI (Equipped as standard)
  - Factory default: No function.
  - Can be used for retransmission output or 15 V DC loop power supply when current/voltage pulse output is not used for control output.
  - Current output range can be changed.

Function can be assigned to the terminals with no function.
Terminal Wiring Diagrams (E1-Terminal Area and E2-Terminal Area)

### E1-Terminal Area

#### 301-306

#### Contact input

- DI11
- DI12
- DI13
- DI14
- DI15
- COM

**Contact rating:** 12 V DC, 10 mA or more

**Factory default:** No function

**Function can be assigned to the terminals with no function.**

#### Remote input / Contact input

- DI16
- COM

**Remote input / Contact input**

- Default: 1-5 V DC

**Contact rating:** 12 V DC, 10 mA or more

**Function can be assigned to the terminals with no function.**

**Note:** Specify within a range of 1-5 V DC, 0-2 V DC, 0-10 V DC

### E2-Terminal Area

#### 307-312

#### Contact output

- DO22
- DO23
- DO24
- DO25
- COM

**Aux. analog input**

- AIN2

**Aux. analog input**

- Default: 1-5 V DC

**Function can be assigned to the terminals with no function.**

**Aux. analog input can be used for feedforward input in Single-loop control.**

---

**Note:**
- (Suffix code: Type 2=2, 4, 5, or 7)
- (Suffix code: Type 2=3 or 5)
- (Suffix code: Type 2=7)