

Drawings

Model UT32A
Digital Indicating Controller
(UT32A-NNN-xx-xx/x)

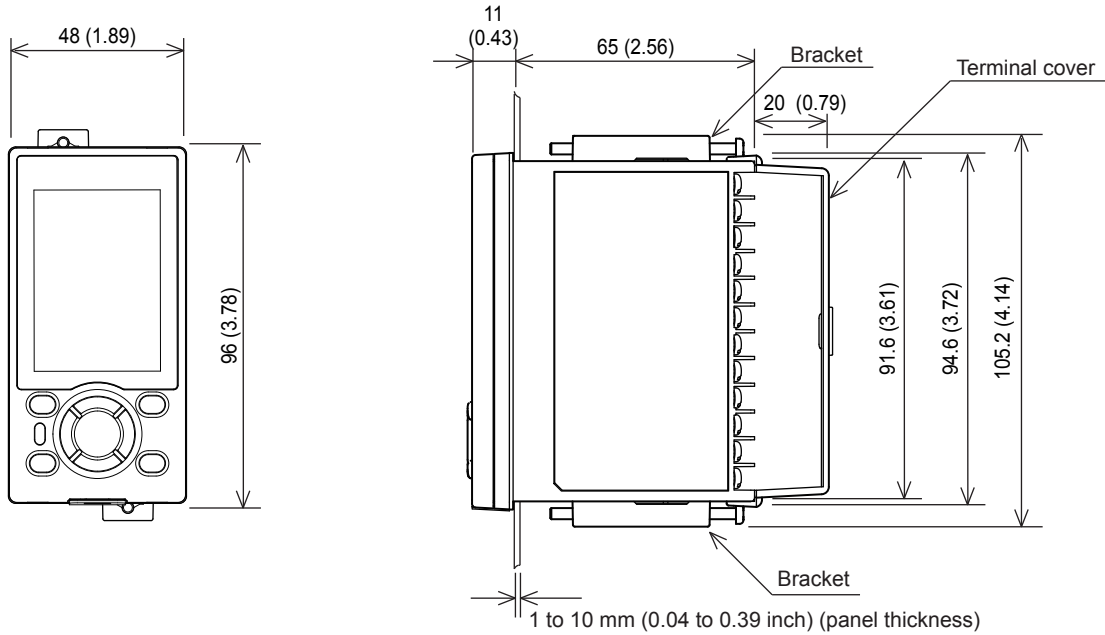


SD 05P01D31-05EN

[Style: S3]

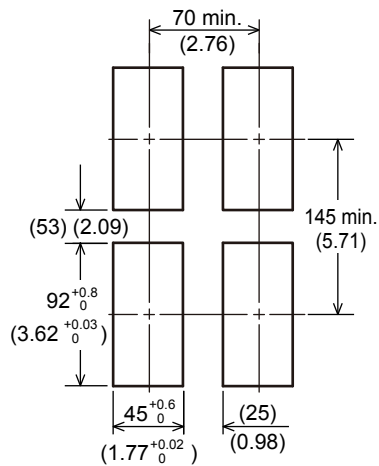
External Dimensions

Unit: mm
(approx. inch)

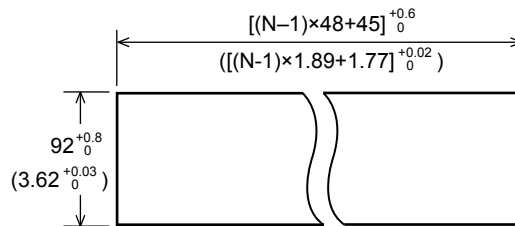


Panel Cutout Dimensions

General mounting



Side-by-side close mounting



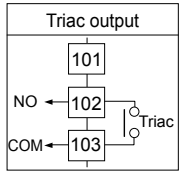
"N" stands for the number of controllers to be installed.
However, the measured value applies if N ≥ 5.

Normal tolerance: ±(value of JIS B 0401-1998 tolerance grade IT18) / 2

Terminal Wiring Diagrams

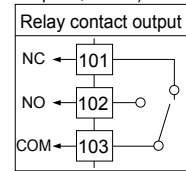
Control output OUT

(Suffix code: Output 1; -T)



Contact rating:
75 - 250 V AC
Allowable load current: 0.8 A

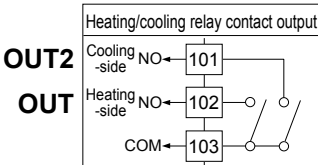
(Suffix code: Output 1; -R or -U, and Output 2; N or A)



Contact rating: 250 V AC, 3 A
30 V DC, 3 A (resistance load)

Heating/cooling control output

(Suffix code: Output 1 and Output 2; -UU, -UR, -RU or -RR.
Terminal 102 has no function in -AU and -AR.)

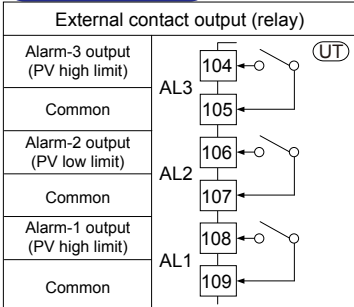


Contact rating: 240 V AC, 3 A
30 V DC, 3 A (resistance load)

OUT2

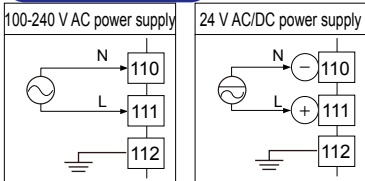
Contact output ALM

(Equipped as standard)



Relay contact rating: 240 V AC, 1 A
30 V DC, 1 A (resistance load)

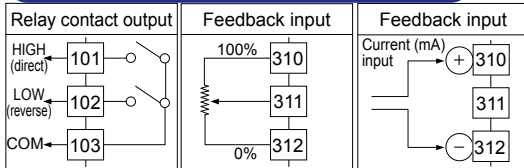
Power supply



Allowable range:
100-240 V AC (±10%)
(free voltage)
50/60 Hz shared

(24 V AC/DC power supply:
Optional suffix code /DC)

Position proportional control output VALV



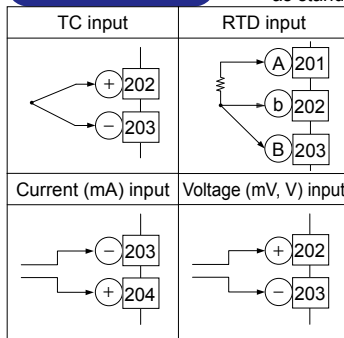
Contact rating: 240 V AC, 3 A
30 V DC, 3 A (resistance load)

Resistance:
100 Ω to 2.5 kΩ

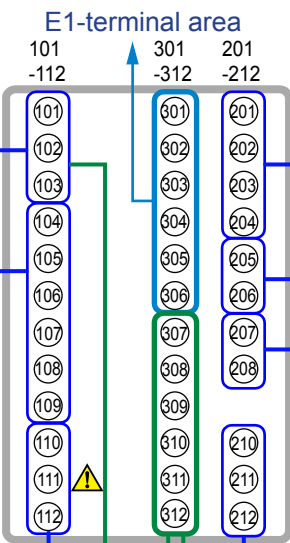
When feedback input is current

PV input

(Equipped as standard)

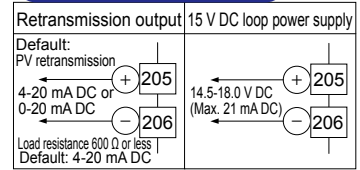


Factory default: PV input type is undefined.

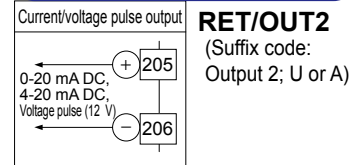


(Optional suffix code /RT)

Retransmission output RET



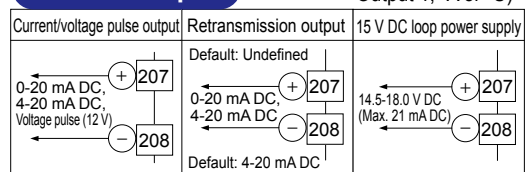
Cooling-side control output



Can not be used for retransmission output or 15 V DC loop power supply when current/voltage pulse output is used for control output.
Can be used for retransmission output or 15 V DC loop power supply when control output is not used.
Current output range can be changed.

Control output OUT

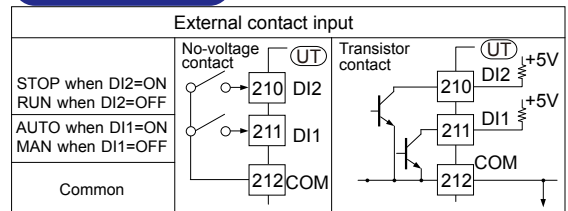
(Suffix code: Output 1; -A or -U)



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.
In Position proportional type, can be used for retransmission output or 15 V DC loop power supply.

Contact input DI

(Equipped as standard)

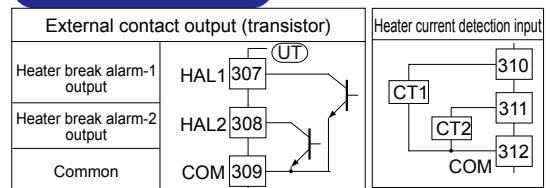


Contact rating: 12 V DC, 10 mA or more

Function can be assigned to the terminals with no function.

Heater break alarm HBA

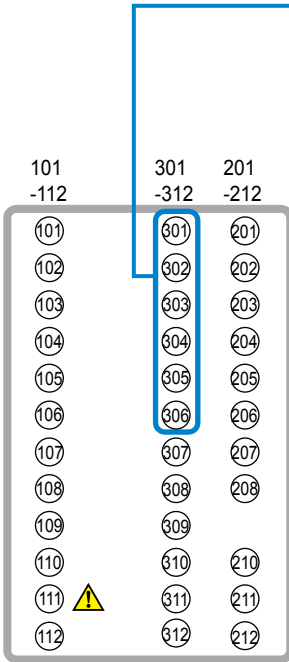
(Optional suffix code /HA)



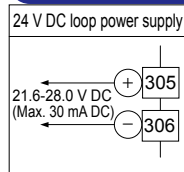
Transistor contact rating: 24 V DC, 50 mA

Terminal Wiring Diagrams (E1-Terminal Area)

E1-terminal area

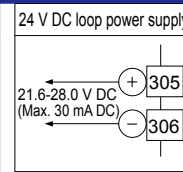
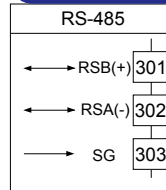


24 V DC loop power supply LPS24 (Optional suffix code /L1)



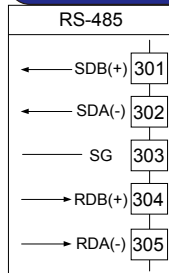
LPS24
(Optional suffix code /L1)

RS-485 communication/24 V DC loop power supply RS485/LPS24 (Optional suffix code /LCH1)



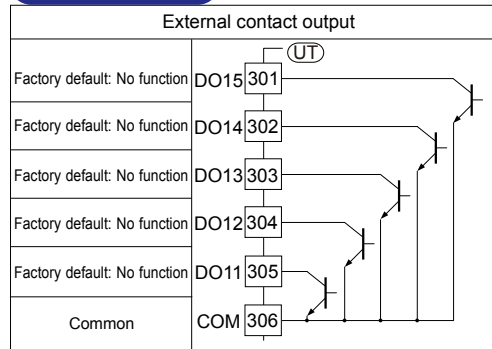
RS485/LPS24
(Optional suffix code /LCH1)

RS-485 communication RS485 (Optional suffix code /CH1)



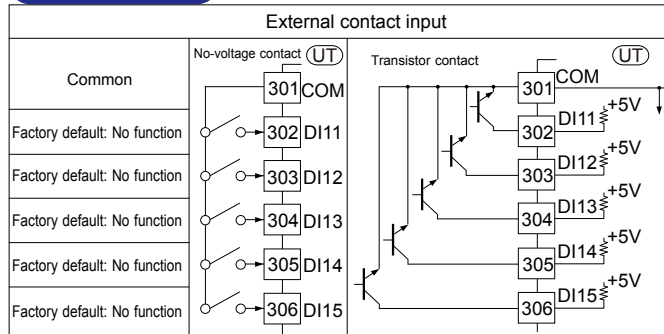
(Optional suffix code /CH1)

Contact output DO (Optional suffix code /Y1)



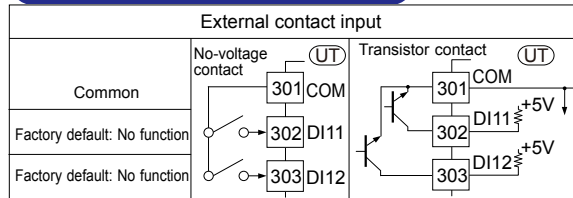
Transistor contact rating: 24 V DC, 50 mA
Function can be assigned to the terminals with no function.

Contact input DI (Optional suffix code /X1)

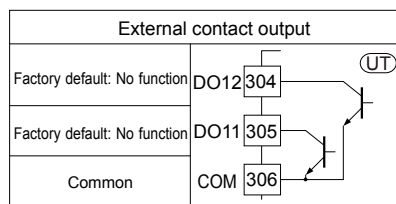


Contact rating: 12 V DC, 10 mA or more
Function can be assigned to the terminals with no function.

Contact input / Contact output DI/DO (Optional suffix code /W1)



Contact rating: 12 V DC, 10 mA or more



Transistor contact rating: 24 V DC, 50 mA
Function can be assigned to the terminals with no function.