Foreword
- ☐ The contents of this document are subject to change without prior notice as a result of improvements in performance or functionality.
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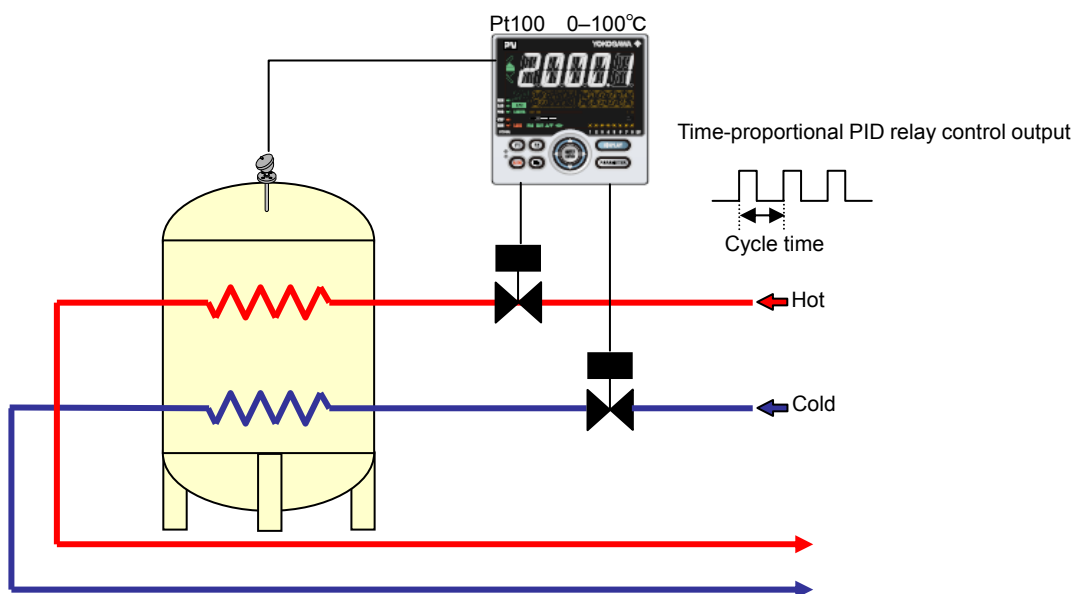- ☐ Use of this document is at the users risk.

■ Overview

This is an example of wiring and settings using the UTAdvanced Quick Setting function for "tank temperature control." For more details, see the user's manual.
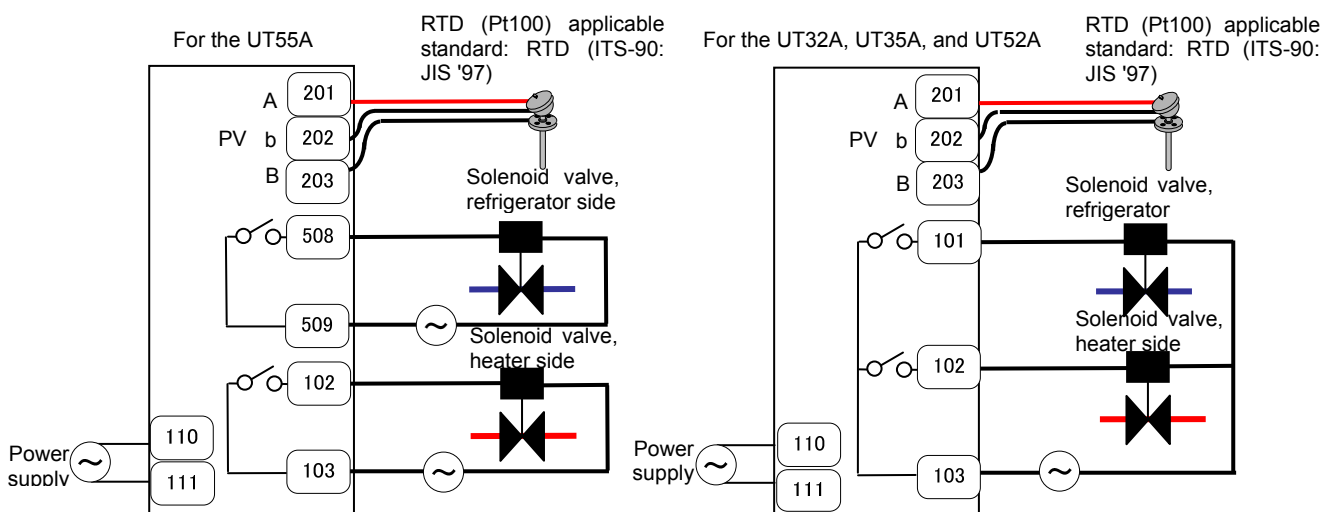
■ Relevant models

Heating/cooling models of the UT32A, UT35A, UT52A, and UT55A

■ System

■ Wiring

■ Settings

To set heating/cooling control, input signal (Pt100 range 0.0 to 100.0°C), and time proportional control output (relay output), set the following parameters.

(1) Select the desired parameter with the UP or DOWN key

(2) Press SET/ENTER (the setting value blinks)

(3) Change the setting with the UP or DOWN key

(4) Press SET/ENTER to set the new value (the setting value stops blinking but remains bright)

● Redoing the Quick Setting

Once functions are configured with the Quick Setting, the Quick Setting function will not appear after you restart. However, you can redo the Quick Setting by following the procedure below.

(1) Set the Quick Setting parameter QSM to ON, and re-engage power

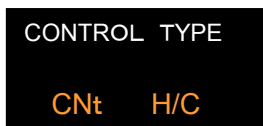**(2) Set the PV input type parameter IN to OFF, and re-engage power**

Power

⬇

Quick Setting start

⬇

1.

START QUICK SETTING
QSM   YES

Press SET/ENTER to accept the "YES" option.

Quick Setting starts

2.

CONTROL TYPE
CNt   H/C

First, the control type parameter CNT appears.

Set CNT (control type) to H/C (initial value).

3.
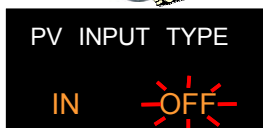
PV INPUT TYPE
IN   OFF

OFF is displayed for IN (the PV input type).
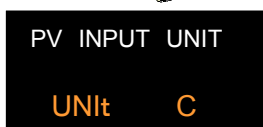
4.

PV INPUT TYPE
IN   Pt1

Set IN (PV input type) to RTD: Pt1.

(Pt1 applicable standard: RTD (ITS-90: JIS'97 -200 to 850°C))
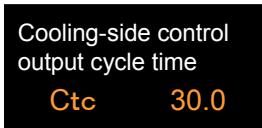
5.
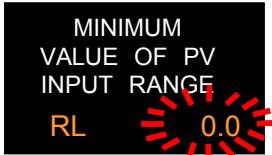
PV INPUT UNIT
UNIt   C

Set UNIT (PV input unit) to :C (initial value).

6.

MAXIMUM
VALUE OF PV
INPUT RANGE
RH   100.0

Set RH (maximum value of PV input range) to = 100.00°C.

7.

MINIMUM
VALUE OF PV
INPUT RANGE
RL   0.0

Set RL (minimum value of PV input range) to 0.0°C (the initial value).

8.

OUTPUT TYPE
SELECTION
0t   06.03

Set OT (output type selection) to 06 03 (initial value).
  06: OUT2 terminal: Select cooling side relay output
  03: OUT terminal: Select heating side relay output

9.

CONTROL OUTPUT
CYCLE TIME
Ct   30.0

Set heating side cycle time CT=30 seconds (initial value)
Tuning may be necessary under certain conditions.

10.

Cooling-side control
output cycle time
Ctc   30.0

Set cooling side cycle time CTc=30 seconds (initial value)
Tuning may be necessary under certain conditions.

11.

FINISH
EXIt   YES

Finally, EXIT is displayed. Select YES and press SET/ENTER to complete the basic function setup and return to the operating screen. Or, you can select NO to continue with the Quick Setting.

Revision Information

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