Foreword
☐ The contents of this document are subject to change without prior notice as a result of improvements in performance or functionality.
☐ Copying or reproduction by any means of all or any part of the contents of this document without permission is strictly prohibited.
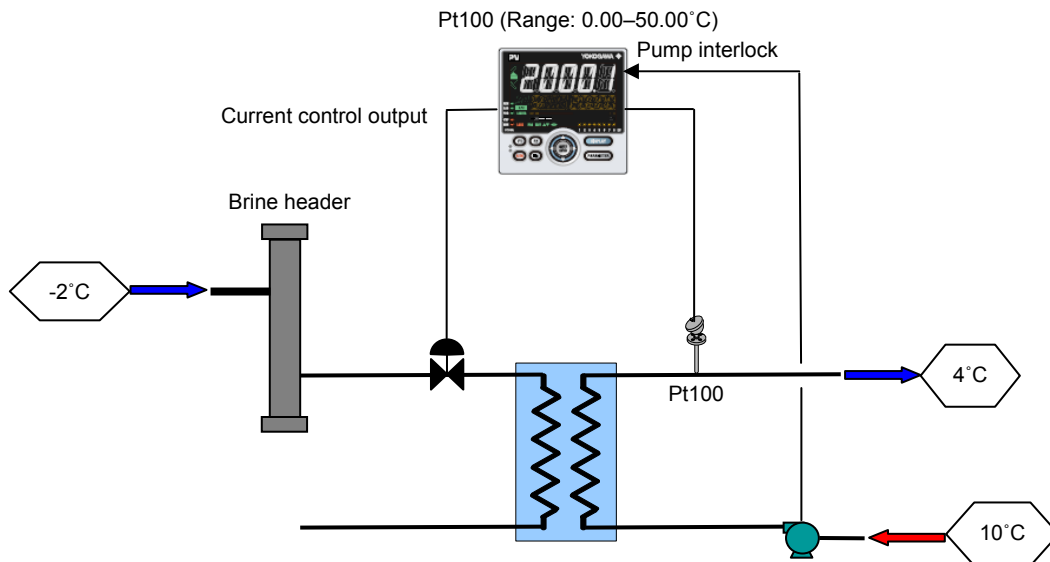☐ Use of this document is at the users risk.

■ Overview

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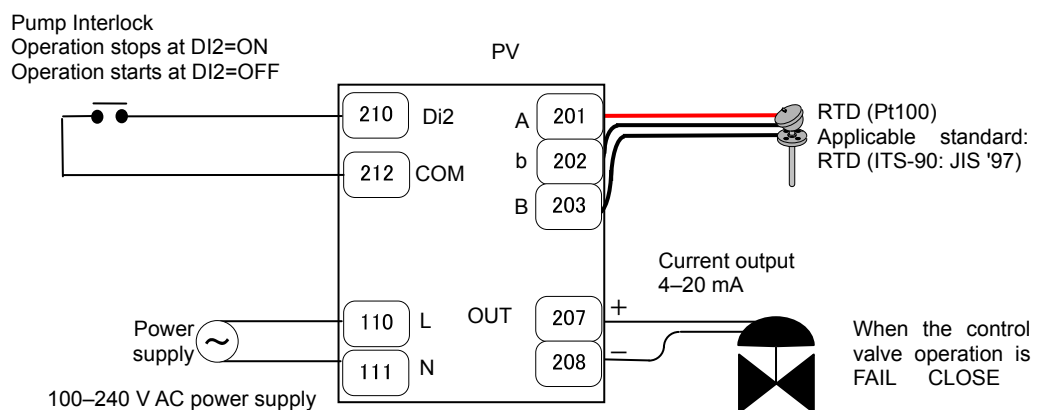
■ Relevant models

Standard models of the UT32A, UT35A, UT52A, and UT55A.

■ System

■ Wiring

■ Settings

To set PID control, Pt100 (range 0.00 to 50.00°C), and current control 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
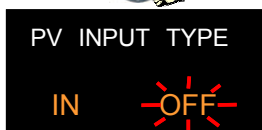
Power

Quick Setting start

1.

START QUICK SETTING

QSM   YES

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

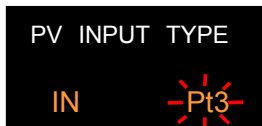Quick Setting starts

2.

CONTROL TYPE

CNt   PID

First, the control type parameter CNT appears.
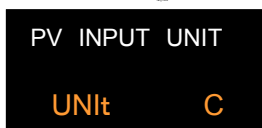
Set CNT (control type) to PID (initial value).

3.

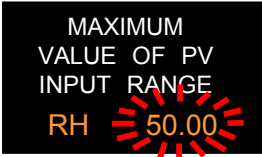PV INPUT TYPE

IN   OFF

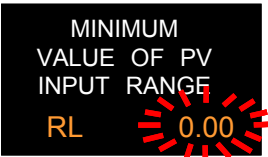OFF is displayed for IN (the PV input type).

4.

PV INPUT TYPE

IN   Pt3
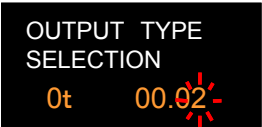
Set IN (PV input type) to Pt100: Pt3.

(PT3: -150.00 to 150.00°C)

5.

PV INPUT UNIT

UNIt   C

Set UNIT (PV input unit) to C: Celsius (inital value)

6.

MAXIMUM
VALUE OF PV
INPUT RANGE
RH   50.00

Set RH (maximum value of PV input range) to = 50.00°C.

7.

MINIMUM
VALUE OF PV
INPUT RANGE
RL   0.00

Set RL (minimum value of PV input range) to 0.00°C (the initial value).

8.

OUTPUT TYPE
SELECTION
0t   00.02

Set OT (output type selection) to 00.02: OUT terminal (current 4 to 20 mA).

9.

CONTROL OUTPUT
CYCLE TIME
Ct   30.0

Skip this parameter (not relevant).

10.

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

Document name: Setup Procedure: UTAdvanced Quick Setting (Controlling Heat Exchanger Temperature)

Document number: TI 04L01L01-10EN

First edition: December, 2011
Newly released