

Foreword

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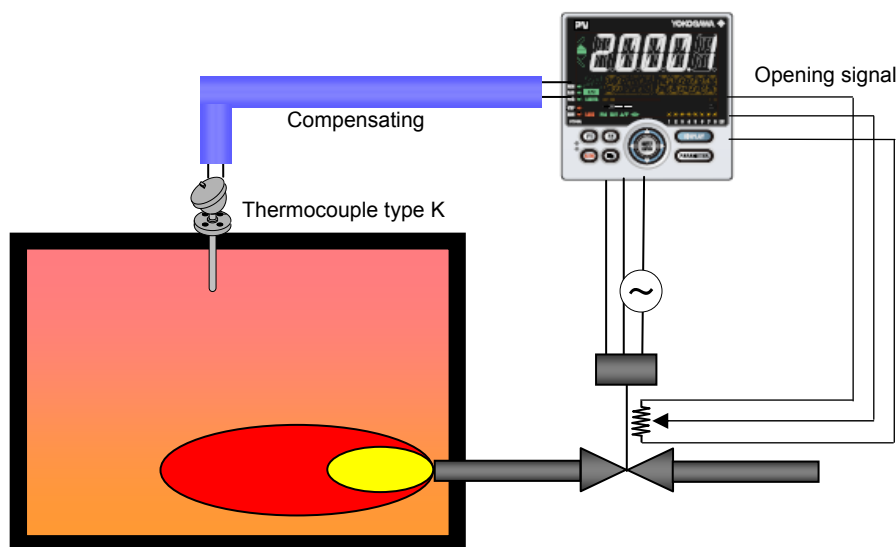
■ **Overview**

This is an example wiring and settings using the UTAdvanced Quick Setting function for "temperature control in a furnace with a motorized valve." For more details, see the user's manual.

■ **Relevant models**

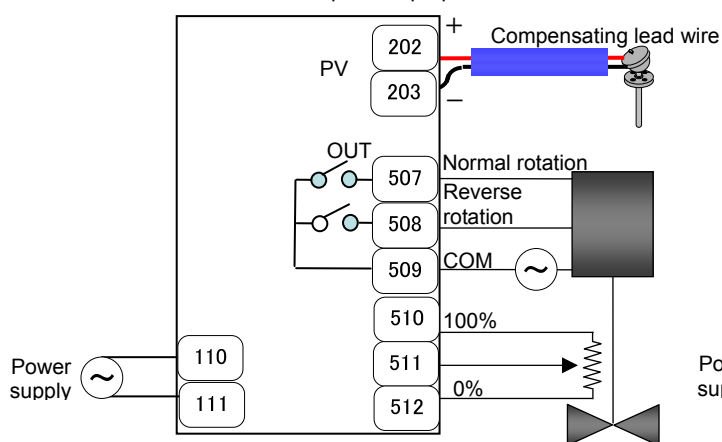
Position proportional models of the UT32A, UT35A, UT52A, and UT55A

■ **System**

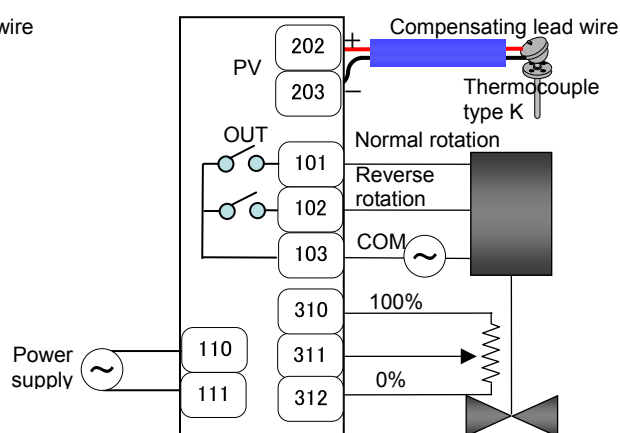


■ **Wiring**

UT35A, UT55A position proportional model



UT32A, UT52A position proportional model



■ Settings

To set PID control, thermocouple type K (range 0.0 to 1000.0°C), and position proportional 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)

Power



Quick Setting start



• 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

1.



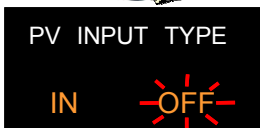
Press SET/ENTER to accept the "YES" option.
Quick Setting starts

2.



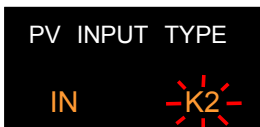
First, the control type parameter CNt appears.
Set CNT (control type) to PID (initial value).

3.



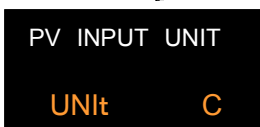
OFF is displayed for IN (the PV input type).

4.

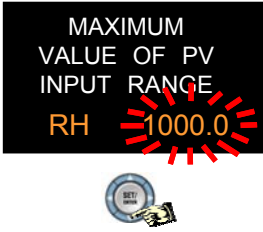
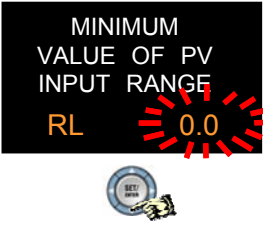



Set IN (PV input type) to thermocouple type K2.
(K2: -270.0 to 1000.0°C)

5.



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

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6.  Set RH (maximum value of PV input range) to 1000.0°C.
7.  Set RL (minimum value of PV input range) to 0.0°C (the initial value).
8.  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.

After finishing the Quick Setting, please adjust the position of the motorized valve.

Revision Information

Document name: Setup Procedure: UTAdvanced Quick Setting (Controlling Furnace Temperature with a Motorized Valve)

Document number: TI 04L01L01-09EN

First edition: December, 2011
Newly released