Foreword
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Overview
This is an example of wiring and settings using the UTAdvanced Quick Setting function for "flow control with inverters." 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, the input signal (4 to 20 mA), and current control output (4 to 20 mA), 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)

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**Power**

● 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

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**Quick Setting start**

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

1. **START QUICK SETTING**
   
2. **CONTROL TYPE**
   
3. **PV INPUT TYPE**
   
4. **PV INPUT TYPE**
   
5. **PV INPUT UNIT**

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

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1. **ON**
   
2. **OFF**

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

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

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Set IN (PV input type) to current signal: 4–20.
(4–20 = 4.00 to 20.00 mA)

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Set UNIT (PV input unit) to – (none).
If necessary, use the unit label [m3/h].
6. **MAXIMUM VALUE OF PV INPUT RANGE**
   RH 20.00

   Set RH (maximum value of PV input range) to 20.00 mA (the initial value).

7. **MINIMUM VALUE OF PV INPUT RANGE**
   RL 4.00

   Set RL (minimum value of PV input range) to 4.00 mA (the initial value).

8. **PV INPUT SCALE DECIMAL POINT POSITION**
   SdP 1

   Set SDP (PV input scale decimal point position) to 1.

9. **MAXIMUM VALUE OF PV INPUT SCALE**
   SH 10.0

   Set SH (maximum value of PV input scale) to 10.0 (10.0 m3/h).

10. **MINIMUM VALUE OF PV INPUT SCALE**
    SL 0.0

    Set SL (minimum value of PV input scale) to 0.0 (0.0 m3/h).

11. **OUTPUT TYPE SELECTION**
    Ot 00.02

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

12. **CONTROL OUTPUT CYCLE TIME**
    Ct 30.0

    Skip this parameter (not relevant).

13. **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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