These instructions enable the actuator to be configured to suit the valve and must be carried out before electrical start up. For complete instructions see the installation manual that shipped with the actuator or refer to the publications listed below.

Infra-red Setting Tools and Setting Tool Pro’s are fully compatible with all IQ range actuators.

If an Infra-red Setting Tool is used with an IQ Pro/IQT Pro actuator the data download/upload facility will not be available. Navigation through the menu structure is facilitated using the ‘down’ and ‘right’ arrow keys. At the end of a menu section pressing the arrow right or arrow down key, as applicable, will return the menu to the start.

If a Setting Tool Pro is used with an IQ actuator (an actuator without ‘split screen’ text support) the ‘back arrow’ and data upload/download facility will be unavailable.

The following publications contain further configuration and setting information. Additionally, they also contain essential health and safety information and should be read before re-installing and re-commissioning the actuator.

IQ mk 1 actuator - PUB002-023 (E170E)
IQ mk 2 actuator - PUB002-024 (E170E2)
IQ Pro actuator - PUB002-003 (E170E3)
IQT actuator - PUB002-028 (E175E)
IQT Pro actuator - PUB002-004 (E175E3)

Infra-red Setting Tool

1. † Key* Display next function down
2. ← Key* Display next function across
3. – Key Decrease/change displayed function’s value or option setting
4. + Key Increase/change displayed function’s value or option setting
5. ←→ Key Enter displayed value or option setting
* Pressing these two arrow keys together returns the actuator display to the position indication mode

Infra-red local operation (when enabled)
5. ←→ Key Stop actuator
6. → Key Open actuator
7. ↓ Key Close actuator
8. Infra-red Transmitter Window

Setting Tool Pro

1. † Key* Display next function down
2. ↑ Key Display previous function up
3. ←→ Key* Display next function across
4. ←→ Key Display previous function across
5. – Key Decrease/change displayed function’s value or option setting
6. + Key Increase/change displayed function’s value or option setting
7. ↓ Key Initiate download/upload mode
8. ←→ Key Enter displayed value or option setting
* Pressing these two arrow keys together returns the actuator display to the position indication mode

Infra-red local operation (when enabled)
9. ←→ Key Stop actuator
10. → Key Open actuator
11. ↓ Key Close actuator
12. Infra-red Transmitter Window
Basic Setting Instructions for IQ and IQT Actuators

Switch on actuator power supply—select local control. Setting may take place with display indicating closed, mid travel or open. Display will not indicate true position until position limit settings have been completed. When using the setting tool press key until display changes.

Display required option, press \( \text{to set} \). Option flashes when entered.

Switch on actuator power supply—select local control. Setting may take place with display indicating closed, mid travel or open. Display will not indicate true position until position limit settings have been completed. When using the setting tool press key until display changes.

Display required option, press \( \text{to set} \). Value flashes when entered.

When using the setting tool press key until display changes (00 to 99).

Close password is \( \text{ID} \)—do not change.

Bar indicators appear confirming that setting mode has been entered. If bar indicators are not displayed, the actuator is in checking mode and settings cannot be changed.

Site configuration of indication and control options (see Publication E170E).

When the \( \text{is pressed the bars will flash and the appropriate indicator lamp will be illuminated.} \)

Initial actuator settings are now complete and it is possible to operate the actuator electrically.

It is possible to return to the position display from anywhere in the setting procedure by pressing \( \text{and } \) together.
Basic Setting Instructions for IQ and IQT Actuators

Basic Setting Instructions — Pro Display

1. Switch on actuator power supply - select Local control. Setting may take place with display indicating closed, mid travel or open. Display will not indicate true position until position limit settings have been completed. When using the setting tool press key until display changes.

2. Bar indicators appear confirming that setting mode has been entered. If bar indicators are not displayed, the actuator is in checking mode and settings cannot be changed.

3. Site configuration of indication and control options (see Publication E170E).

4. Default password is 1d - do not change.

5. Initial actuator settings are now complete and it is possible to operate the actuator electrically.

6. It is possible to return to the position display from anywhere in the setting procedure by pressing @ and # together.
Basic Setting Instructions for IQ and IQT Actuators

7 Check List — Non-textual (pre-Pro) Display

Checking actuator settings requires the use of \( \downarrow \) and \( \uparrow \) keys only. Displays on actuator show set values.

Return to the start of the setting procedure (Position Display) by pressing \( \downarrow \) and \( \uparrow \) together.

Checking may be carried out with the actuator in either Setting or Checking mode.

- Until C1 (DIRECTION TO CLOSE) is displayed
- To display C2 (CLOSE ACTION)
- To display C3 (OPEN ACTION)
- To display tC (TORQUE VALUE CLOSING)
- To display tO (TORQUE VALUE OPENING)

Press \( \downarrow \) and \( \uparrow \) together to return to Position Display and move valve to fully closed condition checking that closed symbol and lamp appear just as the limit of travel is reached.

Move valve to fully open position checking that open symbol and lamp appear just as the limit of travel is reached.

8 Check List — Pro Display

Checking actuator settings requires the use of \( \downarrow \) and \( \uparrow \) keys only. Displays on actuator show set values.

Return to the start of the setting procedure (Position Display) by pressing \( \downarrow \) and \( \uparrow \) together.

Checking may be carried out with the actuator in either Setting or Checking mode.

- Until C1 (DIRECTION TO CLOSE) is displayed
- To display C2 (CLOSE ACTION)
- To display C3 (OPEN ACTION)
- To display tC (TORQUE VALUE CLOSING)
- To display tO (TORQUE VALUE OPENING)

Press \( \downarrow \) and \( \uparrow \) together to return to Position Display and move valve to fully closed condition checking that closed symbol and lamp appear just as the limit of travel is reached.

Move valve to fully open position checking that open symbol and lamp appear just as the limit of travel is reached.

A full listing of our worldwide sales and service network is available on our website at www.rotork.com

---

As part of a process of on-going product development, Rotork reserves the right to amend and change specifications without prior notice. Published data may be subject to change. For the very latest version release, visit our website at www.rotork.com

The name Rotork is a registered trademark. Rotork recognizes all registered trademarks. Published and produced in the UK by Rotork Controls Limited. POWTG1215