

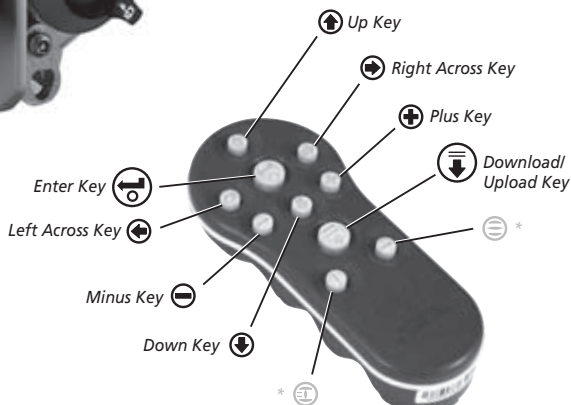
Basic Setting Instructions



Actuator indicator display window.

Hold setting tool directly in front of indicator window.
Range 0.5 metres (18 inches).

Red LOCAL / STOP / REMOTE selector.
Select to "LOCAL".



Setting Tool Pro

* N/A on this Rotork product.

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 SI range installation and maintenance manual - contact Rotork for details.



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

CLOSED



MID TRAVEL

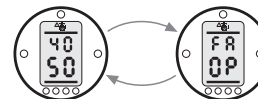


40% pressure, 50% position
(00 to 99)

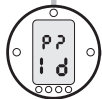
OPEN



FAULT DISPLAY



OP = sample Fault Code.
See table on reverse for all Fault Codes

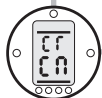


Default password is **1d** - do not change



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

CONFIGURATION



REMOTE CONTROL



For site configuration of further indication and control options see Publication E770E

Closed Limit



Setting

e.g. **30** = 30% of total position measurement.

Description

Sets the Closed Limit Position

Local Controls can be used to position the actuator to the closed mechanical limit. Back off 1% (i.e. to 31%).

Adjustment

Accept current position as Close Limit.

Open Limit



Setting

e.g. **70** = 70% of total position measurement.

Description

Sets the Open Limit Position

Local Controls can be used to position the actuator to the open mechanical limit. Back off 1% (i.e. to 69%).

Adjustment

Accept current position as Open Limit.

Remote Select



Setting

0F = No Remote

rE = Hardwired Control

0P = Option Control

0E = Option Control with Hardwired ESD Override

R1 = Analogue Control

(Calibrated to 4-20mA as standard - see publication E770E for others.)

Adjustment



Next Previous

For further Remote Control options
see Publication E770E

It is possible to return to the position display from anywhere in the setting procedure by pressing and together.



**Fault definitions with Monitor and Fault Relay States assuming Remote Control.
(CF – Clearable through Confirm Faults Menu option)**

	Fault Name	Description	Monitor Relay	Fault Relay
—	No Faults	-	On	Off
PS	Unsuccessful Partial Stroke	Re-attempt partial stroke or electrically operate the actuator	On	On
OP	Obstruction in mid travel	Drive the actuator in the opposite direction	On	On
UP	Actuator failed to move off or onto limit	Remove and re-apply drive signal	On	On
St	Actuator failed to move in mid-travel	Remove and re-apply drive signal	On	On
di	Actuator running in wrong direction	Remove and re-apply drive signal	On	On
dn	Loss of Demand Signal (Positioning)	Ensure that the demand signal is greater than half the minimum calibrated value i.e. more than 2mA in a 4-20mA loop	On	On
PO	Position Transducer Fault	Consult Factory (Actuator will not operate)	Off	On
Pr	Pressure Transducer Fault	Consult Factory	On	On
LC	Local Controls Fault	Consult Factory (Actuator will not operate)	Off	On
dr	Solenoid Driver Fault	Consult Factory	On	On
PU	Hydraulic Power Unit Fault	Consult Factory (Pump will not operate)	On	On

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