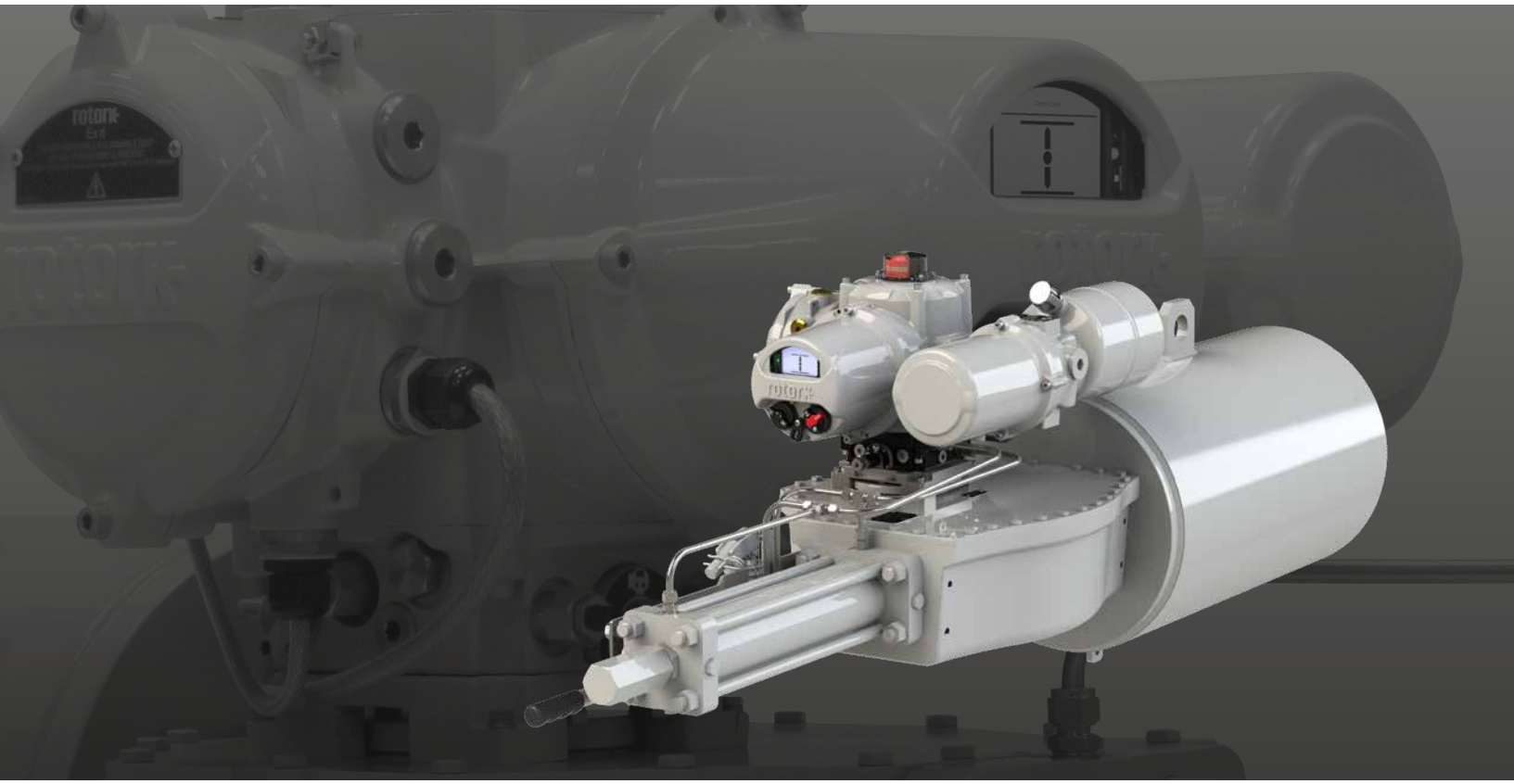
rotork®

Keeping the World Flowing
for Future Generations

SI3 & SI4 Range

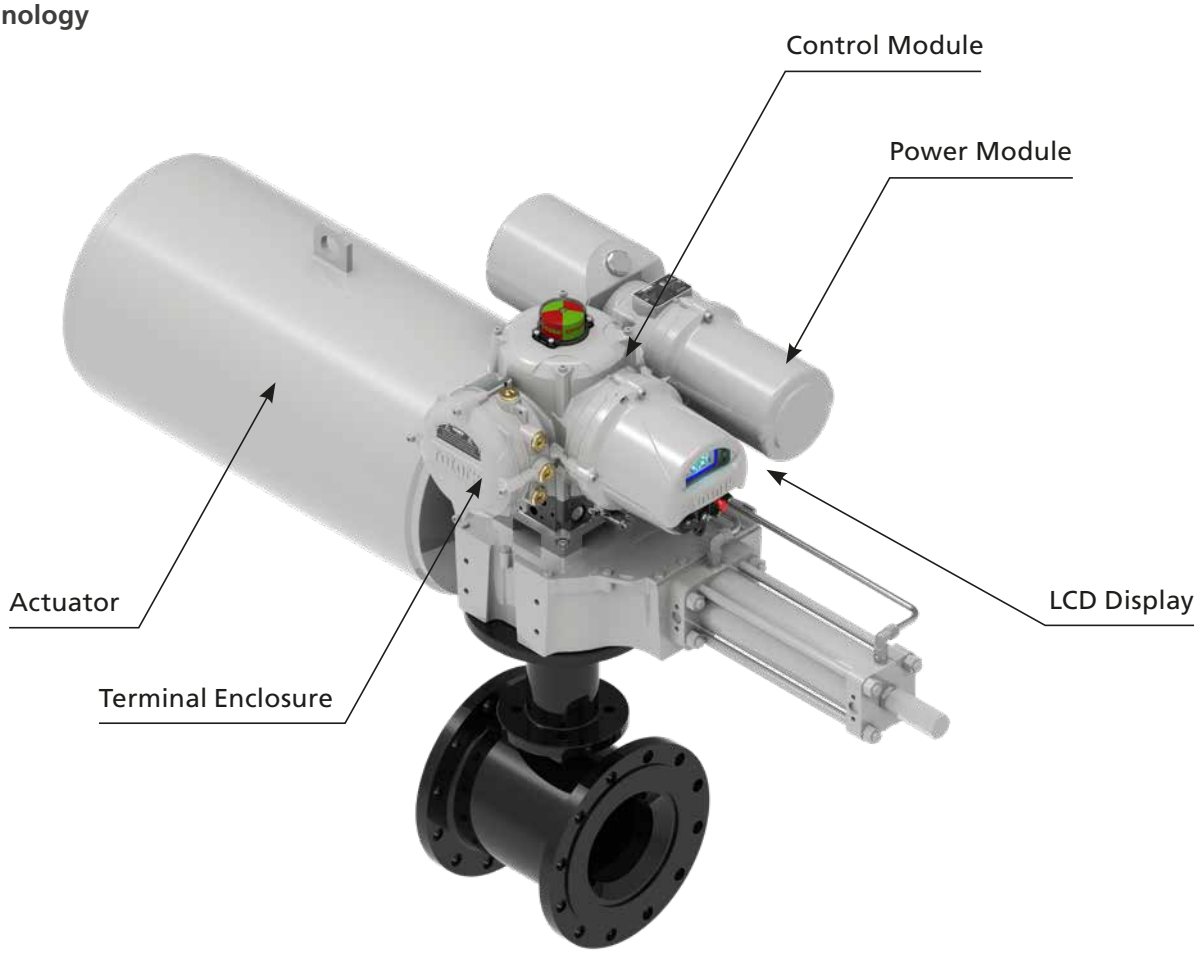
Mounting Orientations



CE Ex

This manual describes the mounting orientations in which the SI3 & SI4 range of electro-hydraulic actuators can be supplied and used.

Terminology



Direction is determined from the point of view of a operator looking at the LCD display with their feet on the ground. The LCD display is on the front, all other directions are relative to the display unless noted otherwise. The LCD display will always be positioned to be in the correct orientation.

All quarter-turn actuators are shown as being fail-safe clockwise. The same mounting orientations can also be used for fail-safe anti-clockwise actuators, as shown below:

Fail-safe clockwise

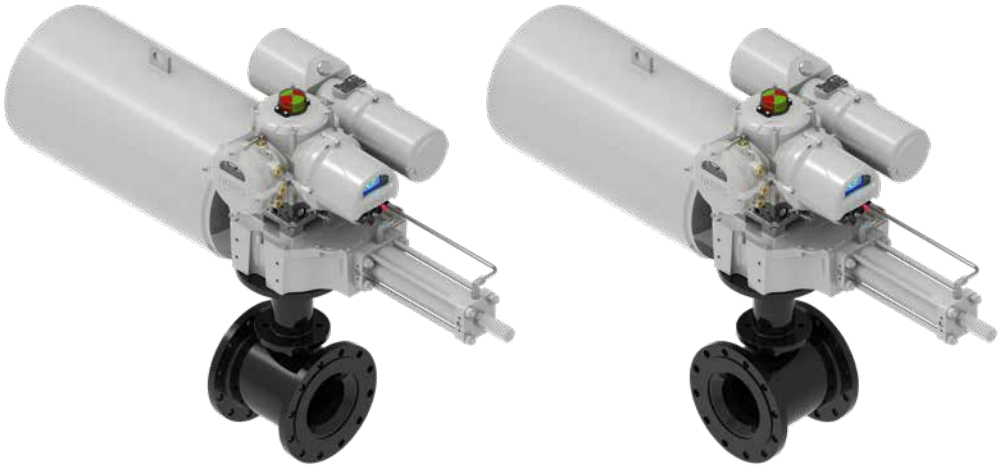
Fail-safe anti-clockwise

SI3 – Mounting Orientations

Option 1

Option 1 shows a quarter-turn actuator above a vertical valve stem. The power module is on the right side of the control module with the terminal enclosure on the left.

The pipeline can be orientated parallel or perpendicular to the actuator.



Option 2

Option 2 shows a quarter-turn actuator above a vertical valve stem. The power module is on the left side of the control module with the terminal enclosure is on the right.

The pipeline can be orientated parallel or perpendicular to the actuator.

SI3 – Mounting Orientations

Option 3

Option 3 shows a quarter-turn actuator mounted onto a horizontal valve stem. The actuator is horizontal on the right hand side of the pipeline. The power module is mounted above the control module with the terminal enclosure pointing down towards the ground. The pipeline can be orientated parallel or perpendicular to the actuator.

Option 4

Option 4 shows a quarter-turn actuator mounted onto a horizontal valve stem. The actuator is horizontal on the left hand side of the pipeline. The power module is mounted above the control module with the terminal enclosure pointing down towards the ground. The pipeline can be orientated parallel or perpendicular to the actuator.

Option 5

Option 5 shows a quarter-turn actuator mounted to a horizontal valve stem. The actuator is vertical on the right hand side of the pipeline. The power module is mounted vertically behind the control module with the terminal enclosure pointing upwards. The pipeline can be orientated parallel or perpendicular to the actuator.

Option 6

Option 6 shows a quarter-turn actuator mounted to a horizontal valve stem. The actuator is vertical on the left hand side of the pipeline. The power module is mounted vertically behind the control module with the terminal enclosure pointing upwards. The pipeline can be orientated parallel or perpendicular to the actuator.

Option 7

Option 7 shows a linear actuator above a vertical valve stem with the control module mounted to the left of the actuator. The power module is mounted vertically behind the control module. The terminal enclosure is on the left side of the control module.

Option 8

Option 8 shows a linear actuator above a vertical valve stem with the control module mounted to the right of the actuator. The power module is mounted vertically behind the control module. The terminal enclosure is on the right side of the control module.

Option 9

Option 9 shows a linear actuator above a vertical valve stem with the actuator mounted behind the control module. The power module is mounted vertically on the right with the oil reservoir below. The terminal enclosure is on the left side of the control module.

Option 10

Option 10 is a linear actuator above a vertical valve stem with the actuator mounted behind the control module. The power module is mounted vertically on the left with the oil reservoir below. The terminal bung is on the right side of the control module.

SI4 – Mounting Orientations

All SI4 actuators can be supplied in the same mounting orientations as the SI3 with the exception of the power module, which could use a seperate motor and hydraulic fluid tank instead. SI4 actuators could also have accumulator(s) mounted to them.

All quarter-turn actuators show a GH model but they can be supplied in the same orientations with a RH model instead.

Contact Rotork for specifc drawings of SI3 and SI4 actuators.

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A full listing of our worldwide sales and service network is available on our website.

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