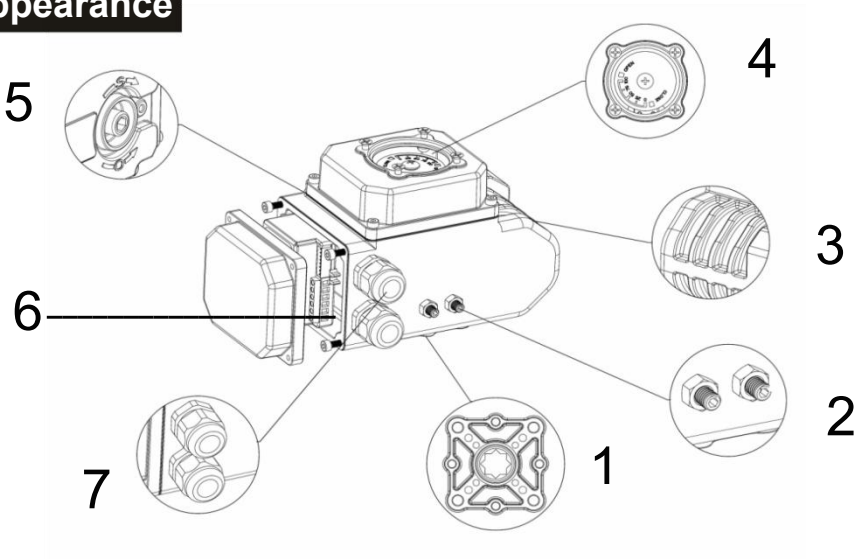
HL3-60S



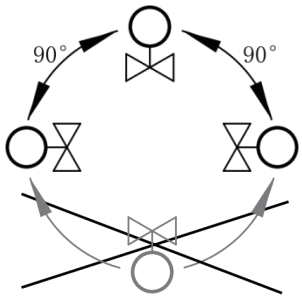
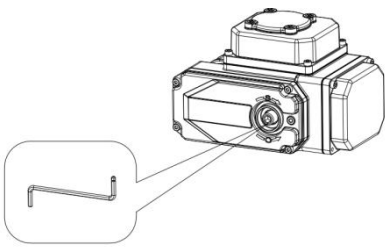
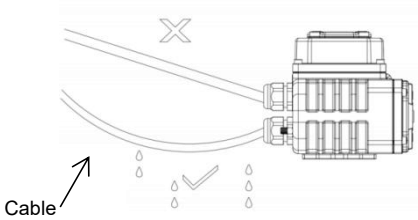
Appearance



1. Connection flange
2. Limit screw
3. Heat sink
4. Position indicator
5. Manual override
6. Wiring terminal
7. Cable gland

Installation

Operating Environment: Ambient temperature: -25℃ to +70℃
Ambient humidity: ⩽95%

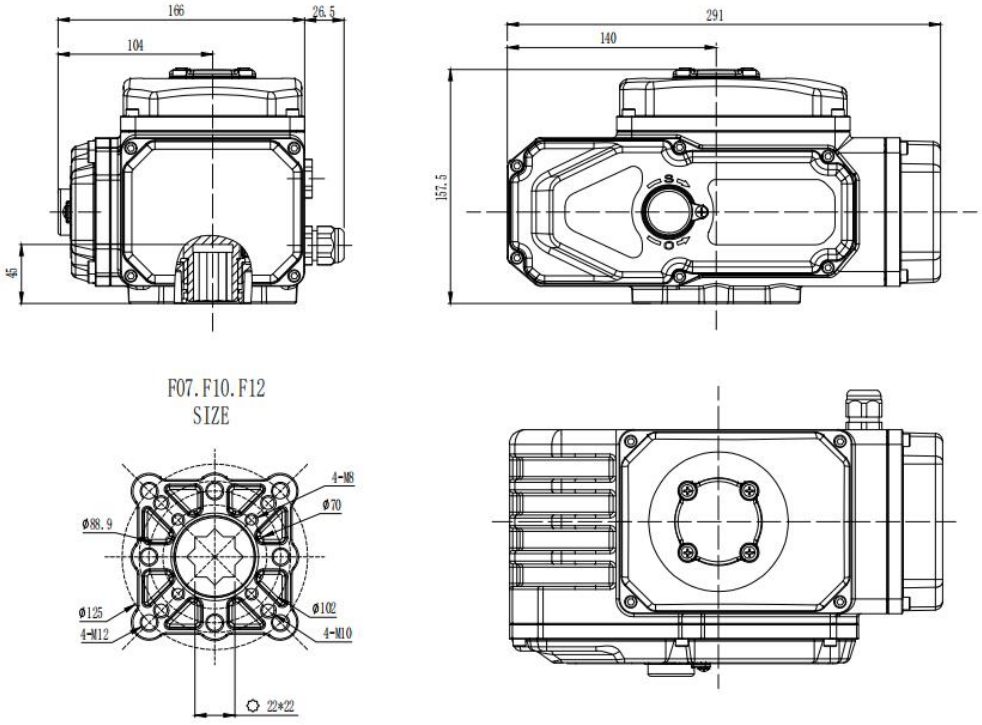
 Attention! No inverted installation	 Attention! When powered on, do not push in the handle for operation.	 Attention! Please connect the cables according to the specifications.

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Technical data

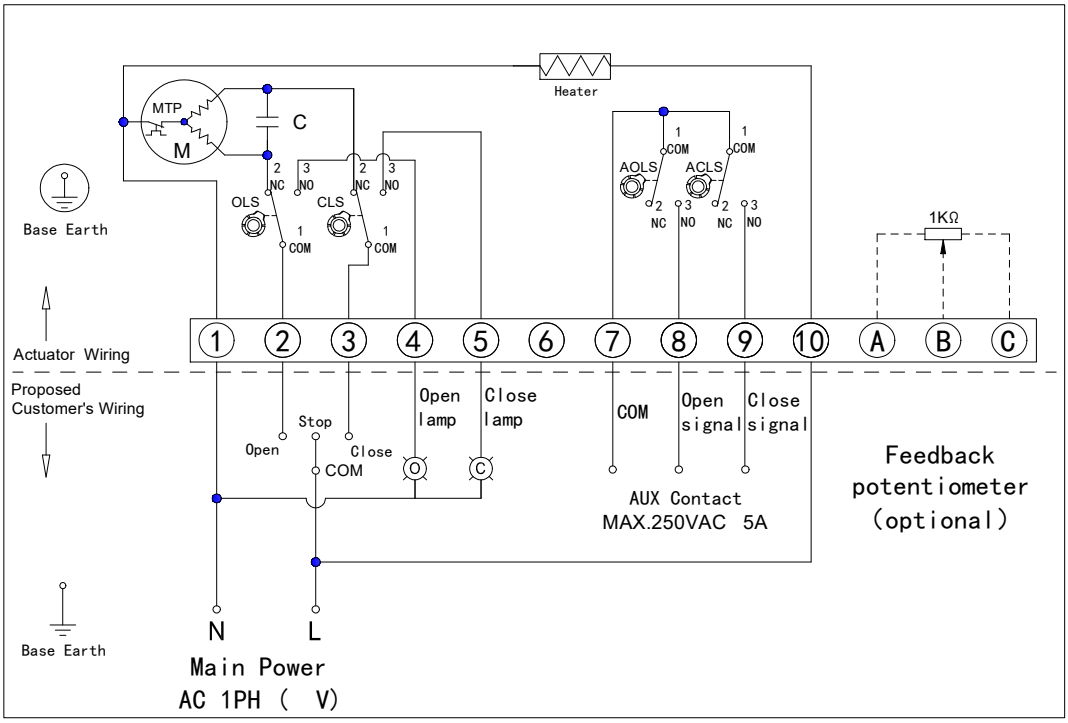
Type	ON-OFF
Torque	600Nm
Time	30S (0-90°)
Motor power	90W
Power supply	220VAC/50Hz
Running Current	0.75A
Auxiliary Switch	2*SPDT. 250VAC 5A
Cable gland	1-M20*1.5
Flange (ISO5211)	F07/F10/F12
Manual control	Handle (handwheel as option)
IP class	IP67 (Optional IP68)
Ambient temperature	-25℃ to 70℃ (Other temp. as option)
Ambient humidity	≤95%
Anti-Condensation	Heater
Overheat protection	Internal thermal protection, activation temp. is 125℃(±5%)
Power failure state	The last position
Duty rating	S2-30min
Motor	Insulation Class F (Optional Class H)
Noise	≤70dB(A)-1M
Color	RAL7038
Weight	9.8Kg

Product dimensions



Wiring Diagram

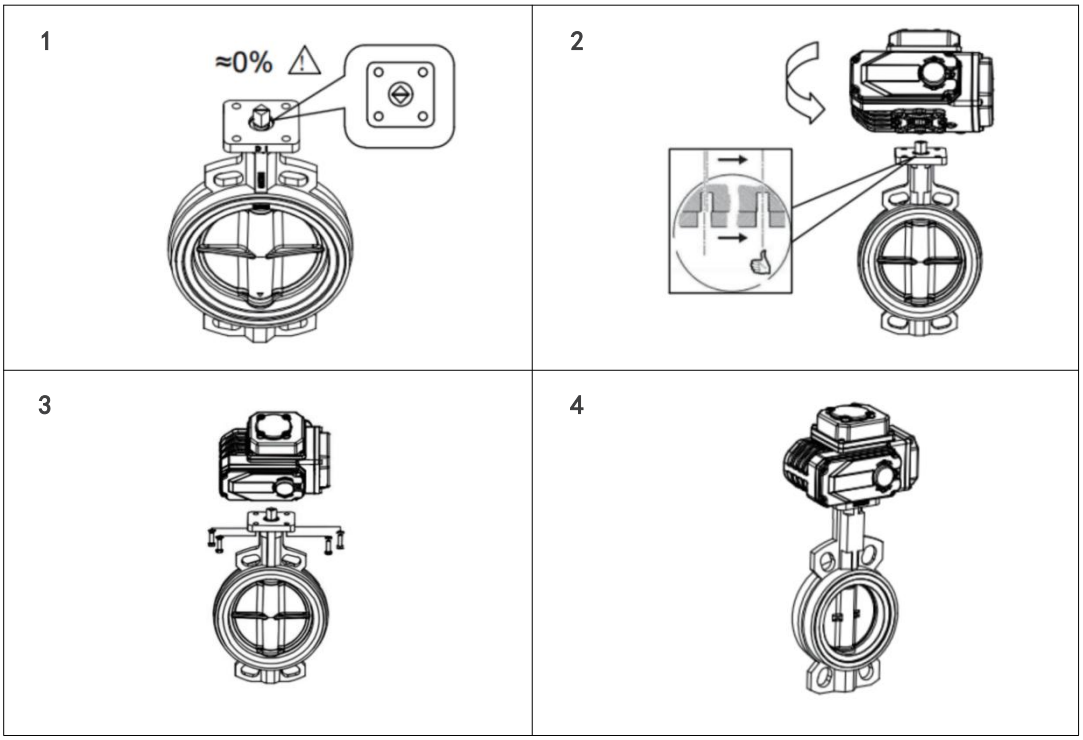
S type:Basic On Off type (1PH)



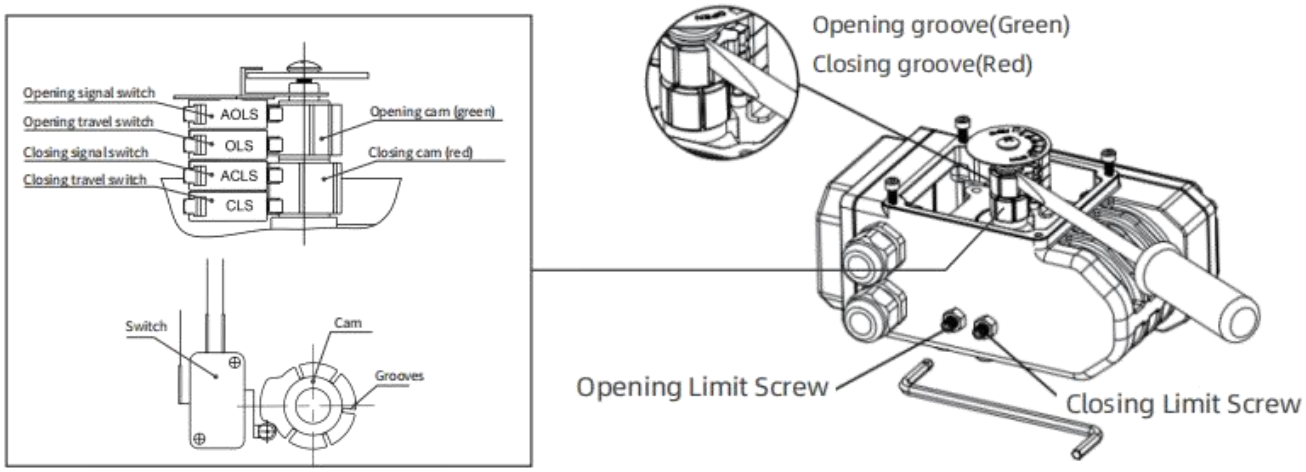
Note:
For 1PH on off type, the power lines of two or more electric devices cannot be connected in parallel. Cannot use the same contact to control two or several electric devices, otherwise it will cause loss of control and motor overheating.
The standard wiring diagram and any special function wiring diagrams are affixed to the inner side of the terminal cover.

Valve mounting

The diagram illustrates a butterfly valve. The operation is the same for ball valves.



Adjustment for on off type



Close Limit Adjustment:
Loosen the close limit nut, then turn the limit screw counterclockwise (do not exceed 3 turns). Use a slotted screwdriver to rotate the cam clockwise and adjust it until it just presses the CLS (there will be two switch action sounds; use the second sound as the reference point).
The open limit adjustment follows the same procedure.

Note:
After the adjustment is complete, the open and close limit adjustment screws should not press against the limit switch! (After locking, the screw should be turned back half a turn to be considered correct) to prevent malfunction or damage to the actuator.

Common faults and troubleshooting guide

Indicator light and LED are not displayed	A. Power not connected B. Voltage too low	C. Wiring error D. Module failure
Abnormal LED/digital display during operation	A. Error code B. Status information	C. LED or display failure
No action in either local or remote mode	A. Wrong wiring or open circuit B. Fault protection active	C. Motor fault or stall D. Module failure
Local works fine, remote control is abnormal	A. No remote signal or reversed wiring B. Valve calibration error	C. Incorrect direct/reverse action setting D. Module failure
Can only open or only close	A. Limit switch wiring error/open B. At travel limit	C. Motor fault/stall/wiring error D. Module failure
Immediate action after power-on	A. Wiring error B. Active control signal present	C. Loss-of-signal action triggered D. Setting error E. Module failure
Works mid-range, stuck at travel limits	A. Limit switch wiring B. Motor exactly in place but faulty or open circuit	C. Module failure
Movement direction is reversed	A. Motor wiring reversed B. Incorrect valve calibration direction	C. Incorrect action direction setting D. Signal reversed
No output current or intermittent output	A. Output wiring error or poor contact B. Potentiometer failure/open circuit	C. Module failure
Feedback current abnormal (too high/low/fixed)	A. Potentiometer failure B. Poor engagement with gear	C. Calibration error D. Module failure

About Albion Valves (UK) Limited

Albion Valves (UK) Limited has been in the industrial heating and valve market for over 40 years, with this comes a wealth of knowledge and expertise that allows us to support our network of independent distributors and their customers.

Albion aims to supply a readily available, complete, quality valve solution alongside excellent cradle-to-grave support and service.

That is why we say, ‘It’s all at Albion’.

Quality

Whatever you need, you can rest assured that if it comes from Albion it has been designed and manufactured to deliver optimum performance and is accredited with the necessary approvals. Our in-house quality and technical departments are always on hand too!

Service

Our cradle-to-grave approach means you will never be on your own. Whether you need assistance with your system designs, an industry-leading turnaround time on your quote, or some help with commissioning after installation, we have a team to help!

Delivery

We know that time is money, and when a priority project depends on a part, you can trust Albion to deliver. We deliver 95% of products the next day with 99.98% accuracy!

Choice

We may have started with a single brass ball valve, but our range has grown substantially since and we can now offer a full building services valve solution, alongside a comprehensive range of valves for the industrial and process markets.

It is becoming more and more apparent to the industry, that it really is, all at Albion.