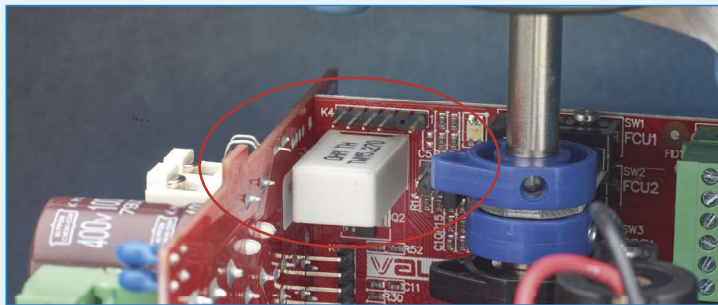
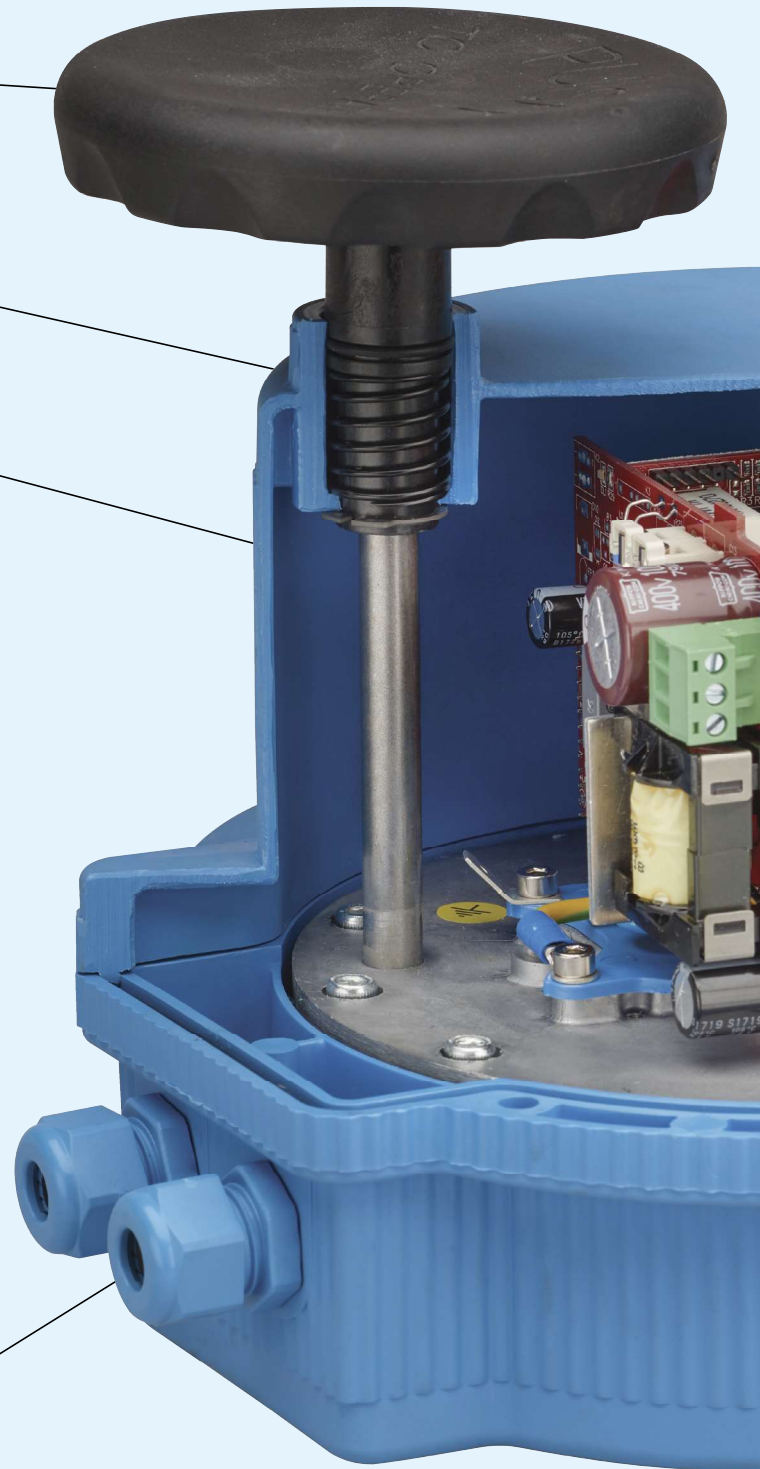


85 SERIES ELECTRIC ACTUATOR

MANUAL OVERRIDE

CONTROL BOARD

POWER SUPPLY BOARD



HEATERS:

- Managed by the control board to guarantee the optimal internal temperature and avoid condensation.



POSITION CAMS:

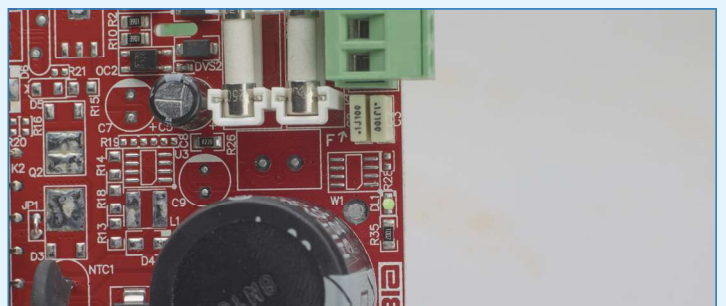
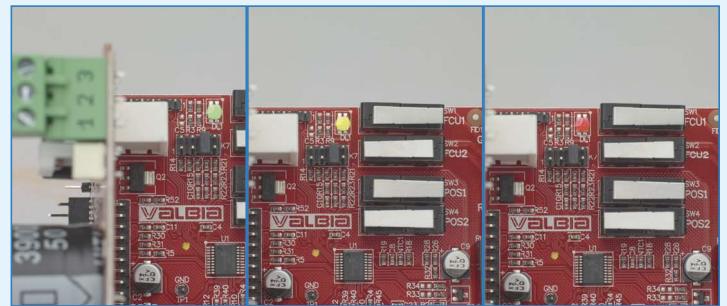
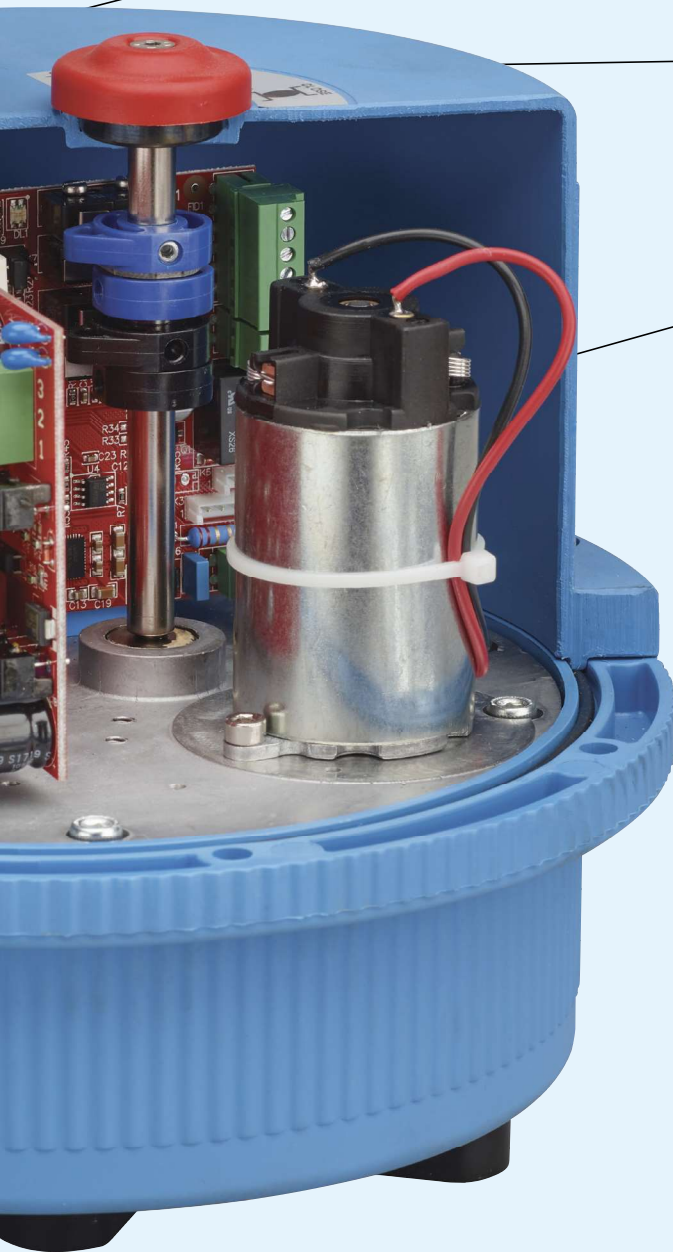
- Black cams: limit switches open and close adjustment.
- Blue cams: additional limit switches open and close adjustment.

PG 11 ELECTRIC CONNECTIONS

TECHNOPOLYMER ENCLOSURE

POSITION INDICATOR

DC MOTOR



LED lights to indicate: power supply ON (green), actuator working conditions (yellow) and fault (red).

TECHNICAL DATA SERIES 85

MODEL	VB010	VB015	VB030	VB060	VB110	VB190	VB270	VB350	
MAX WORKING TORQUE (IN-LBS)	89	133	266	530	975	1680	2390	3100	
NOMINAL TENSION (V)	LOW VOLTAGE	NOT AVAILABLE	12V AC/DC	12V AC/DC	12V AC/DC	12V AC/DC	12V AC/DC	12V AC/DC	
	HIGH VOLTAGE	110V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC	
WORKING TIME (sec)	8 (sec. dc) 6.5 sec (ac)	10	8	9	27	27	50	50	
TORQUE LIMITER	STD	STD	STD	STD	STD	STD	STD	STD	
DUTY RATING	75%	12V AC/24V AC 50% 12V DC/24V DC 75% 100-240V AC	12V AC/DC 50% 24V AC/DC 75% 100-240V AC	12V AC/DC 50% 24V AC/DC 75% 100-240V AC	12V AC/DC 50% 24V AC/DC 75% 100-240V AC	12V AC/DC 50% 24V AC/DC 75% 100-240V AC	12V AC/DC 50% 24V AC/DC 75% 100-240V AC	12V AC/DC 50% 24V AC/DC 75% 100-240V AC	
PROTECTION	IP65/Type4	IP65/Type4	IP67/Type4x	IP67/Type4x	IP67/Type4x	IP67/Type4x	IP67/Type4x	IP67/Type4x	
APPROVALS	CE&UL***	CE & UL	CE, UL & CSA	CE, UL & CSA	CE, UL & CSA	CE, UL & CSA	CE, UL & CSA	CE, UL & CSA	
ENCLOSURE	TECHNOPOLYMER	TECHNOPOLYMER	TECHNOPOLYMER	TECHNOPOLYMER	TECHNOPOLYMER	TECHNOPOLYMER	TECHNOPOLYMER	TECHNOPOLYMER	
ROTATION	90°	90°	90°	90°	90°	90°	90°	90°	
SPECIAL ROTATION	NOT AVAILABLE	180°	180° or 270°	180° or 270°	180° or 270°	180° or 270°	180° or 270°	180° or 270°	
MANUAL OVERRIDE	STD	STD	STD	STD	STD	STD	STD	STD	
POSITION INDICATOR	STD	STD	STD	STD	STD	STD	STD	STD	
WORKING TEMPERATURE	+23°F + 131°F	-4°F - 131°F	-4°F - 131°F	-4°F - 131°F	-4°F - 131°F	-4°F - 131°F	-4°F - 131°F	-4°F - 131°F	
HEATER	STD WIRED	STD	STD	STD	STD	STD	STD	STD	
AUXILLARY LIMIT SWITCHES	n°1 STD (type SPDT)	* n°2 STD (type SPDT)	* n°2 STD (type SPDT)	n°2 STD (type SPDT)	n°2 STD (type SPDT)	n°2 STD (type SPDT)	n°2 STD (type SPDT)	n°2 STD (type SPDT)	
PATTERN ISO 5211	F03-F05	F03-F05	F03-F05	F05-F07	F07-F10	F07-F10	F07-F10	F07-F10	
SQUARE DRIVE (mm)	11	11	11	14	17	17	22	22	
SPECIAL SQUARE DRIVE UPON REQUEST (mm)	9	9	9-14	11-17	14-22	14-22	17	17	
FAIL-SAFE OPERATION (BATTERY BACKUP)	NOT AVAILABLE	NOT AVAILABLE	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	
			NOT AVAILABLE FOR MOD 12V						
STD (4~20mA or 0~10 VDC) REVERSE (20~4mA or 10~0 VDC) MODE POSITIONER	NOT AVAILABLE	NOT AVAILABLE	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	
THREE POSITIONS	NOT AVAILABLE	NOT AVAILABLE	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	
ROTARY POTENTIOMETER (5K Ω 1W)	NOT AVAILABLE	NOT AVAILABLE	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	
ELECTRICAL CONNECTIONS - STANDARD**	PIG TAIL WIRE	PG11	PG11	PG11	PG11	PG11	PG11	PG11	
WEIGHT (Lbs)	1.65	3.09	5.05	7.28	10.80	10.80	13.23	13.23	

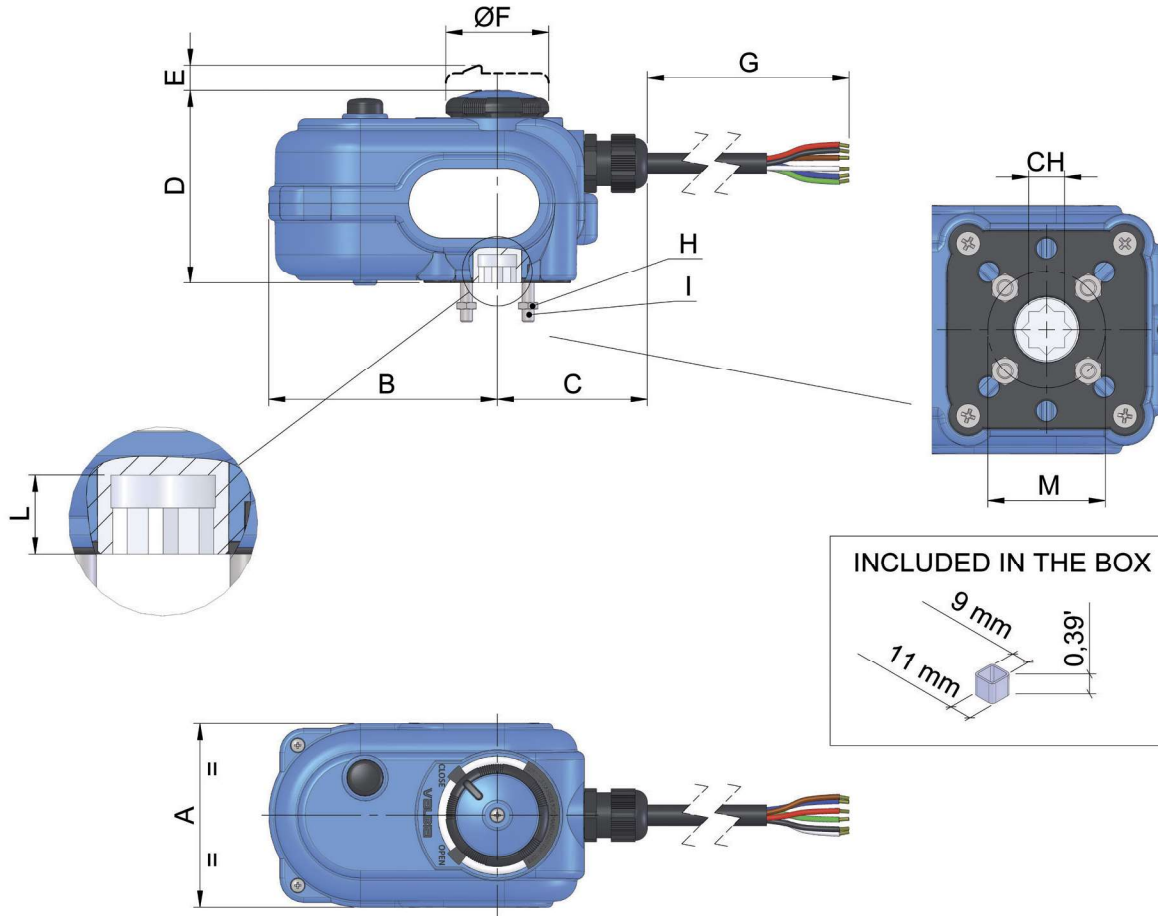
* F04 or F07 upon request.

** 1/2" Conduit - Optional. *** 24V DC only.

POWER CONSUMPTION

MODEL	VB010	VB015	VB030	VB060	VB110	VB190	VB270	VB350
NOMINAL VOLTAGE	110V AC - 60Hz	100-240V AC						
VERSION H	ABSORBED CURRENT	0.41 A	0.3-0.19 A	0.4-0.2 A	0.6-0.3 A	0.4-0.2 A	0.6-0.3 A	0.75-0.4 A
	ABSORBED POWER	45 VA	30-46 VA	40-48 VA	60-72 VA	40-48 VA	60-72 VA	75-96 VA
	NOMINAL VOLTAGE	24V AC/DC	12V AC/DC 24V AC/DC	12V AC/DC 24V AC/DC	12V AC/DC 24V AC/DC	12V AC/DC 24V AC/DC	12V AC/DC 24V AC/DC	12V AC/DC 24V AC/DC
VERSION L	ABSORBED CURRENT	0.6 A	1.2 A 0.6 A	2.2-1.8 A 1-0.7 A	3.8-2.85 A 1.8-1.2 A	2.2-1.8 A 1-0.7 A	3.8-2.85 A 1.8-1.2 A	4.75-3.65 A 1.95-1.65 A
	ABSORBED POWER	8.5-5 VA	15 VA	26.5-22 VA 24-17 VA	46-34 VA 43-29 VA	26.5-22 VA 24-17 VA	46-34 VA 43-29 VA	57-44 VA 47-40 VA
	FREQUENCY	50/60 HZ						

MOD. VB010



INCLUDED IN THE BOX

MOD.	ISO 5211 PATTERN	CH mm	A	B	C	D	E	F	G	H	I	L	M
VB010	F03-F05	9 or 11	2.99	3.72	2.44	3.15	0.28	1.69	31.5	M5	M5x0.63*	0.47	1.42

* Pre-mounted screw.