

**Weyn-Lauwers** N.V.

Industriepark-Noord 12  
B - 9100 SINT-NIKLAAS

Tel. : 00 32 (0)3 776.34.13  
Fax : 00 32 (0)3 778.09.52  
weynlauwers@weynlauwers.be  
www.weynlauwers.be

**J3 S55  
ELECTRIC  
ACTUATORS**

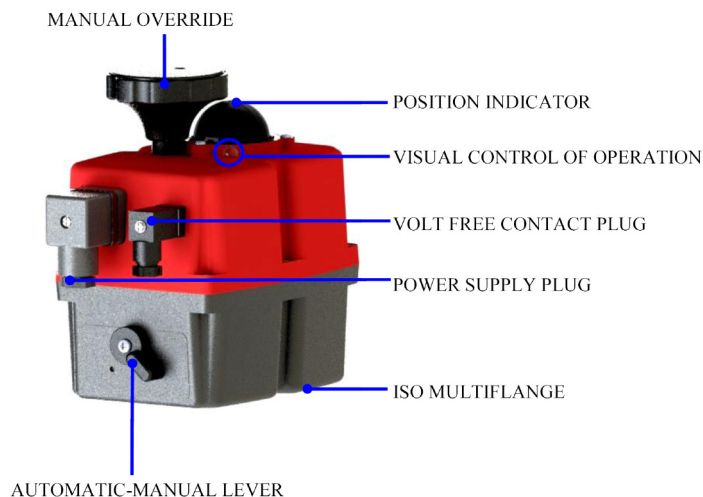
**GENERAL CHARACTERISTICS**

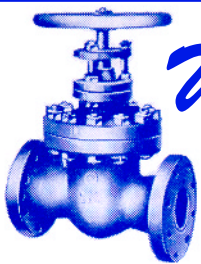
- Housing:** Anticorrosive polyamide (lid & body)
- Main external shaft:** stainless steel
- External screws:** stainless steel
- Gears:** Steel and polyamide
- Visual position indicator:** Polyamide
- Dome:** Polycarbonate
- Adjustable internal cams:** Polyamide
- Electric motor:** Single phase 24VDC
- Insulation:** Class B



**DATASHEET**

Model	J3C S35
Voltage VDC/VAC 50/60Hz -0/+5%	24 a 240 (Patent Pending)
Voltage VDC/VAC 12 <b>ONLY</b> -0/+5%	Change the power supply PCB
Operation time unload (Sec.)	14 Sec./90°
Maximum torque break	60 Nm / 530 lb/in
Maximum operational torque	55 Nm / 486 lb/in
Duty rating (%)	75 %
Working angle	90° a 270°
Limit switch	4 STDP micro (2 motor stop and 2 confirmations)
Automatic heater	3,5 W
Plugs	EN175301-803
Protection IEC 60529 rating	IP67
Temperature	20°C +70°C / -4°F +158°F
Weight (Kg.)	2,4 Kg



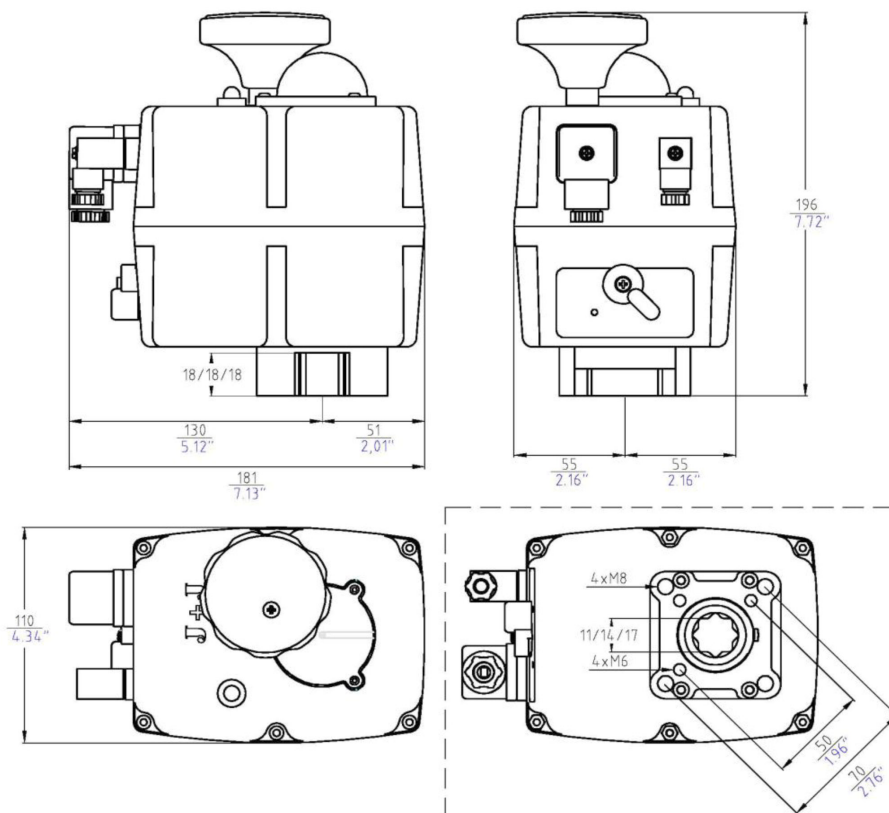


**Weyn-Lauwers** N.V.

Industriepark-Noord 12  
B - 9100 SINT-NIKLAAS

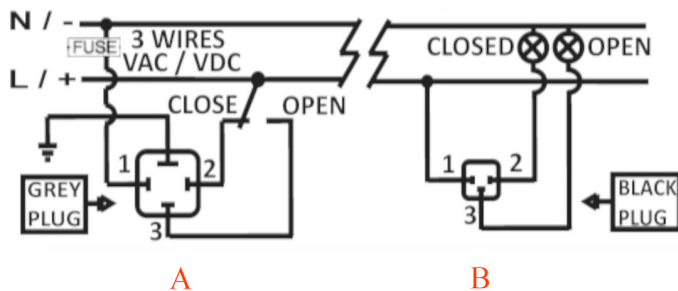
Tel. : 00 32 (0)3 776.34.13  
Fax : 00 32 (0)3 778.09.52  
weynlauwers@weynlauwers.be  
www.weynlauwers.be

**J3 S55  
ELECTRIC  
ACTUATORS**



**EXTERNAL CONNECTING DIAGRAM**

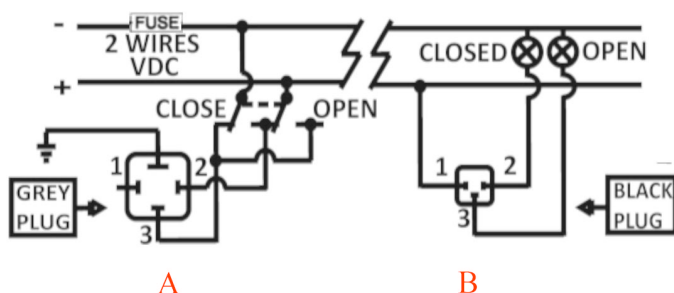
**3 WIRES ON - OFF**



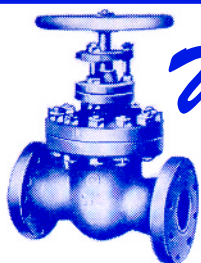
- A = Power supply plug
- A: VAC 3 WIRES (Grey plug)
  - PIN 1 = Neutral + PIN 2 = Phase = Close
  - PIN 1 = Neutral + PIN 3 = Phase = Open
- A: VDC 3 WIRES (Grey plug)
  - PIN 1 = (-) Negative + PIN 2 = (+) Positive = Close
  - PIN 1 = (-) Negative + PIN 3 = (+) Positive = Open

- B = Volt free contact, plug
  - PIN 1 / PIN 2 = Close
  - PIN 1 / PIN 3 = Open

**2 WIRES ON - OFF**



- A = Power supply plug
- A: VDC 2 WIRES (Grey plug)
  - PIN 2 = (+) Positive + PIN 3 = (-) Negative = Close
  - PIN 2 = (-) Negative + PIN 3 = (+) Positive = Open
- B = Volt free contact plug
  - PIN 1 / PIN 2 = Close
  - PIN 1 / PIN 3 = Open



**Weyn-Lauwers** N.V.

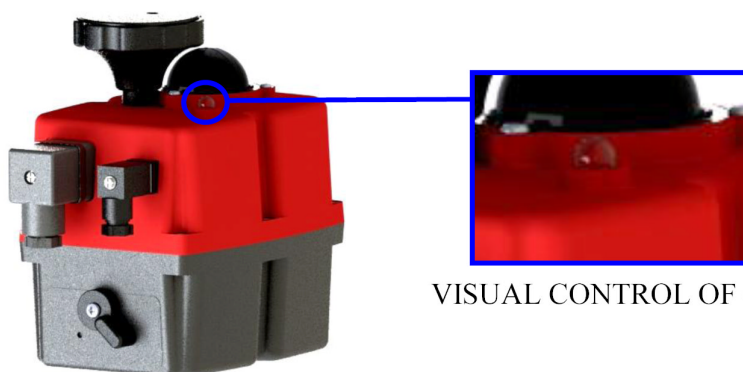
Industriepark-Noord 12  
B - 9100 SINT-NIKLAAS

Tel. : 00 32 (0)3 776.34.13  
Fax : 00 32 (0)3 778.09.52  
weynlauwers@weynlauwers.be  
www.weynlauwers.be

## J3 S55 ELECTRIC ACTUATORS

J3C S55 Consumption	Unload		Max. Operational Torque 55Nm		Max. Torque Break 60Nm	
	A	W	A	W	A	W
Voltage						
24 VDC	0,33	08,00	1,21	29,00	1,25	30,00
48 VDC	0,18	08,40	0,56	27,00	0,59	28,30
110 VDC	0,06	06,10	0,17	18,20	0,18	19,60
24 VAC	0,47	11,20	1,69	40,70	1,73	41,60
48 VAC	0,29	14,20	0,97	46,50	1,01	48,30
110 VAC	0,12	13,60	0,36	39,20	0,37	40,70
240 VAC	0,09	21,10	0,20	47,50	0,20	48,00

The LED Light provides visual communication between the actuator and the user.  
The current operational status is shown by different LED colors.



VISUAL CONTROL OF OPERATION

ACTUATOR OPERATIONAL STATUS	LED COLORS
Actuator without power being supplied	LED OFF
Actuator with power being supplied	OPEN = GREEN LED CLOSE = RED LED
Actuator , moving from ..... .to ....., (flashing led)	FROM OPEN TO CLOSE = RED / ORANGE FROM CLOSE TO OPEN = GREEN / ORANGE
Actuator with torque limiter function on, moving from .... to ....., (flashing led)	FROM OPEN TO CLOSE = RED / OFF FROM CLOSE TO OPEN = GREEN / OFF
Actuator in MANUAL mode	ORANGE / OFF (SYMMETRIC SEQUENCE)
Actuator without power, working with the BSR system. Max. 3 minutes	BSR NC = RED / OFF BSR NO = GREEN / OFF
Battery protection. Danger, the battery needs recharging, BSR blocked	ORANGE / OFF (ASYMMETRIC SEQUENCE)
Actuator with DPS 2015	STOP = BLUE OPENING = BLUE / GREEN CLOSING = BLUE / RED