



COMPACT POWER

Electric actuator



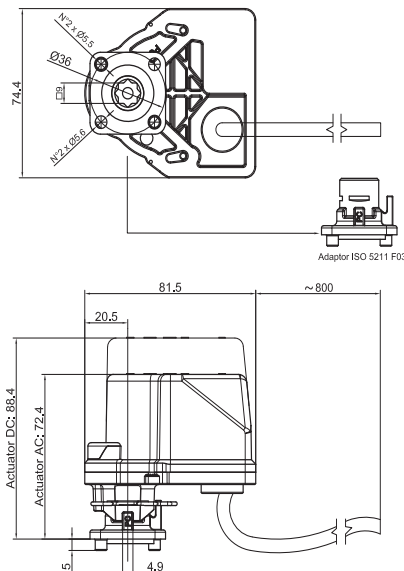
Technical features:

- Suitable for **RuB** actuatable valves up to 1 1/4" size (only for s.64 LT)
- Compact package to fit in restricted spaces
- Power supply variants:
 - 12 V DC, 24V DC;
 - 24V AC 50-60Hz;
 - 110-120V AC 50/60Hz;
 - 230V AC 50/60Hz;
- Motor power consumption:
 - 4W for 12 VDC and 24V DC, 6W for 230V AC, 8W for 24V AC and 110-120V AC
- Torque output up to 5 Nm (44 in-lb)
- Operation time:
 - 5 sec for 12 V DC, 24V DC
 - 20 sec for 24V AC, 110-120V AC and 230V AC at 50 Hz (15 sec at 60 Hz)
- Working temperature -20°C (-4°F) to +80°C (+180°F)
- Protection class IP65 comparable to NEMA 4X
- Micro-switches for open-close signals
- Micro-switches can pass up to 1A
- Reversing motor
- Direct mount on valve for perfect shaft alignment
- Positive orientation between ball valve and actuator
- Actuator easily removable for manual operating by screwdriver
- Visual position indicator
- Corrosion resistant plastic housing
- Actuator has successfully passed 100.000 cycle life tests
- Duty cycle 60%

How to order:

Model	Torque (Nm)	Seconds 90°	Power	Electric control
CP5A2	5	20s	230V AC	2 wires
CP5A3	5	20s	230V AC	3 wires
CP5B2	5	20s	110V AC	2 wires
CP5B3	5	20s	110V AC	3 wires
CP5C2	5	20s	24 V AC	2 wires
CP5C3	5	20s	24 V AC	3 wires
CP5D2A	5	5s	24 V DC	2 wires
CP5E2A	5	5s	12 V DC	2 wires

Dimension mm:



ISO 5211	L
F03	9mm (8mm as option on request)

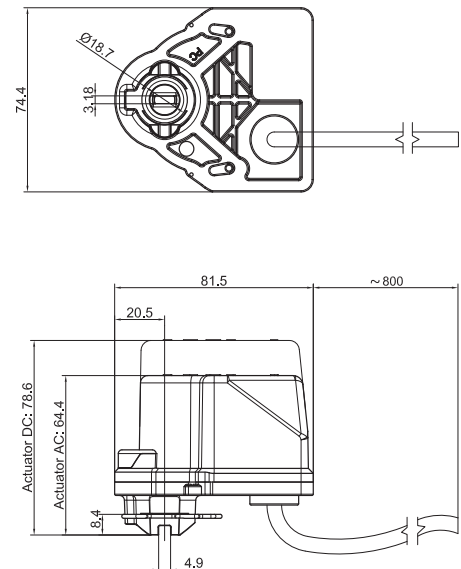


DIAGRAM FOR 2-WIRE CONTROL - VDC model

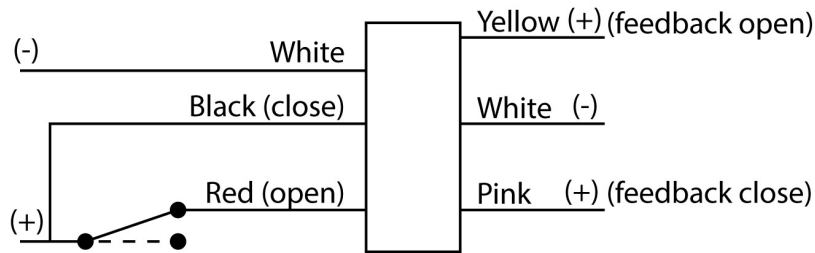
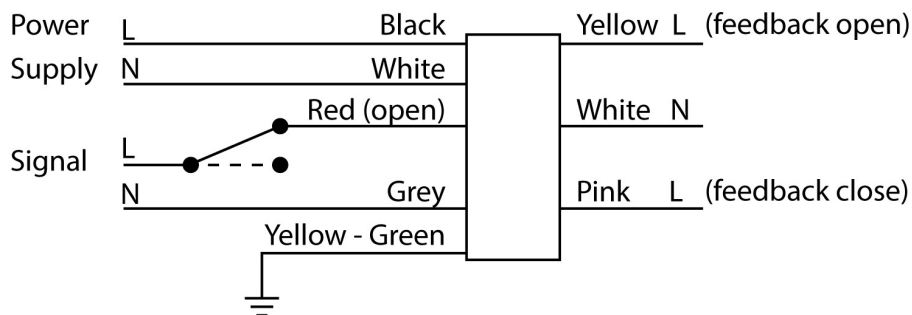
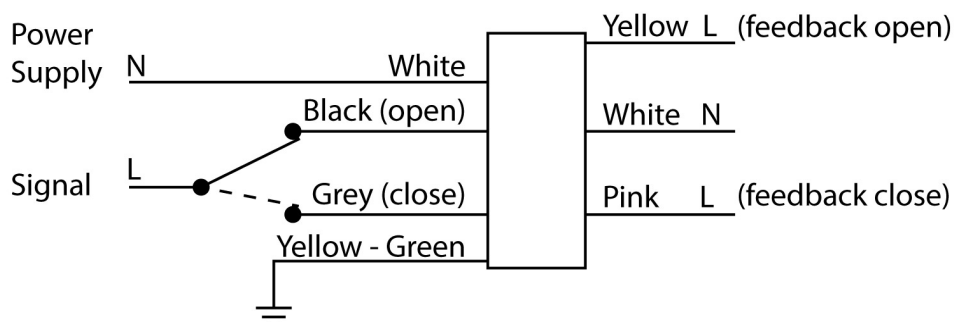


DIAGRAM FOR 2-WIRE CONTROL - VAC model



2 point command : the command is made by a simple switch or button (manually or automatically operated e.g. traditional thermostat). Closing the control switch will cause the actuator to travel to the full CCW position. Opening the control switch will cause the actuator to travel to the full CW position. If the actuator is mounted on a ball valve, closing the control switch will open the ball valve, and vice versa. Upon request, the command voltage may differ from the motor power voltage.

DIAGRAM FOR 3-WIRE CONTROL - VAC model



Note: if the limit switch signals are not to be used the yellow and pink wires must be capped to prevent accidental short circuits

3 point command: the command is made by a switch (manually or automatically operated e.g. 3 points thermostat), which diverts the voltage to the opening wire or to the closing wire reaching the actuator; the switch may be on open or on closed position; using a specific control, engine can stop in any intermediate position.

Valves combination

The CP series Electric actuator provide an output torque of 5 Nm and it's available in AC and DC voltage. They have a small footprint directly mounted on valves and they enable installation in confined spaces.



s.31	code	size	ΔP	CP5Ax	CP5Bx	CP5Cx	CP5D2A	CP5E2A
	AV31BF3	1/4"	0 ÷ 16 Bar (0 ÷ 232 PSI)	•	•	•	•	•
	AV31CF3	3/8"		•	•	•	•	•
	AV31DF3	1/2"		•	•	•	•	•
	AV31EF3	3/4"		•	•	•	•	•

s.64 Low Torque	code	size	ΔP	CP5Ax	CP5Bx	CP5Cx	CP5D2A	CP5E2A
	S64FxxA	1"	0 ÷ 6 Bar (0 ÷ 87 PSI)	•	•	•	•	•
	S64GxxA	1 1/4"		•	•	•	•	•
	S64HxxA	1 1/2"						
	S64LxxA	2"						
	code	size	ΔP	CP5Ax	CP5Bx	CP5Cx	CP5D2A	CP5E2A
	S64FxxA	1"	6 ÷ 16 Bar (87 ÷ 232 PSI)	•	•	•	•	•
	S64GxxA	1 1/4"		•	•	•	•	•
	S64HxxA	1 1/2"						
	S64LxxA	2"						

s.64 & k.64	code	size	ΔP	CP5Ax	CP5Bx	CP5Cx	CP5D2A	CP5E2A
	S64Dxx	1/2"	0 ÷ 15 Bar (0 ÷ 217 PSI)	•	•	•	•	•
	S64Exx	3/4"		•	•	•	•	•
	S64Fxx	1"						
	S64Gxx	1 1/4"						
	S64Hxx	1 1/2"						
	S64Lxx	2"						
	code	size	ΔP	CP5Ax	CP5Bx	CP5Cx	CP5D2A	CP5E2A
	S64Dxx	1/2"	15 ÷ 40 Bar (217 ÷ 580 PSI)	•	•	•	•	•
	S64Exx	3/4"		•	•	•	•	•
	S64Fxx	1"						
	S64Gxx	1 1/4"						
	S64Hxx	1 1/2"						
	S64Lxx	2"						

s.65	code	size	ΔP	CP5Ax	CP5Bx	CP5Cx	CP5D2A	CP5E2A
	S65Dxx	1/2"	0 ÷ 16 Bar (0 ÷ 232 PSI)	•	•	•	•	•
	S65Exx	3/4"		•	•	•	•	•
	S65Fxx	1"		•	•	•	•	•
	S65Gxx	1 1/4"		•	•	•	•	•

s.76	code	size	ΔP	CP5Ax	CP5Bx	CP5Cx	CP5D2A	CP5E2A
	S76Dxx	1/2"	0 ÷ 16 Bar (0 ÷ 232 PSI)	•	•	•	•	•
	S76Exx	3/4"		•	•	•	•	•
	S76Fxx	1"		•	•	•	•	•
	S76Gxx	1 1/4"						
	S76Hxx	1 1/2"						
	S76Lxx	2"						