

C-TOP Reed

Control Unit



APPLICATION

The C-TOP Reed control unit can adapt to any INOXPA actuator, and both efficiently and individually automate pneumatically driven process valves. These include: butterfly, ball or single or double seat valves.

OPERATING PRINCIPLE

The control head contains up to a maximum of three solenoid valves, two magnetic targets and an electronic module formed by three sensors connected to the three visual indicators (LEDs). The solenoid valves which control and act on the valve are activated through external signals. At the same time, the electronic module sensors can read the position of the valve actuator through the detection of the position of the targets located on the adapter shaft and they inform of the valve state with the illuminate of the control head. The control head includes DIP switches that allow obtaining different configurations to adapt the control head to the different types of valves.

TECHNICAL SPECIFICATIONS

Stroke≤ 70 mmMaximum shaft diameter22 mmAdapter shaft diameter6 mmAssembly typescrews

Fluid filtered compressed air, filtration degredd 40 µm lubricated or not lubricated

magnetic Reed type

 $\begin{array}{ll} \text{Measured quantity} & \text{position} \\ \text{Detection range} & \pm 5 \text{ mm} \\ \text{Visual indicators} & \text{LED} \end{array}$

Measuring principle

Outdoor use C1 - protected areas
Storage temperature -20°C to 50°C
Environment temperature -5°C to 50°C
Protection rating IP65, IP67

Compressed air supply (1) screwed adapter G1/8, QS-8 (for a \emptyset 8 mm pipe) Service ports (A1...A3) screwed adapter G1/8, QS-6 (for a \emptyset 6 mm pipe)

Exhaust (3) screwed silencer G1/8

Maximum line length 30 m

Materials

PA6 Plastic parts Α2 Nuts and bolts **NBR** Gaskets

Pneumatical connections nickel-plated brass

Solenoid valves

0 - 3 Quantity

Type 3/2 ways, normally closed with manual interlocking

Operature pressure 3 - 7 bar Voltage supply 24 V DC ± 10%

Power consumed 0,35 W

DESIGN AND FEATURES

The C-TOP Reed installs easily onto the top of the valve's actuator.

Quick and simple configuration.

Line detection using magnetic Reed type sensors.

Use of up to three solenoid valves possible.

360° vies of lights indicating valve status.

DIGITAL COMMUNICATION

24 V DC ± 10% Voltage supply Outputs PNP normally open

Terminal push-in type, nominal cable section from 0,2 to 1,5 mm² (22AWG to

16AWG)

Main input cable gland M16 x 1,5 (4 to 10 mm diameter cable)

Electrical connection for 0, 1, 2 o 3 solenoid valves

Printing		Description
0	3	output position 3
	2	output position 2
	1	output position 1
I	3	input 3 (solenoid valve 3)
	2	input 2 (solenoid valve 2)
	1	input 1 (solenoid valve 1)
-		0V (GND)
+		24V DC



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DIMENSIONS



