



## AC-41-D

### INTRODUCTION

**AC-41-D** is a controller integrated display screen, specialized equipment for air pressure control, stair pressure system .

Users can install, configure, control and monitor the system control information through the built-in monitoring screen.



### FEATURE

- Dedicated controller to control air pressure.
- Allows forward/reverse control via a inverter or analog valve.
- Setting parameters on the control screen.
- Allowed to choose the number of inputs (from 1 to 4 inputs).
- Allows to selecting the operating mode (Max, Min, Average).
- Advanced settings features are a password protected
- Check for errors on the screen.
- Automatically reject input if the sensor signal test fails. In the event of a failure, the system will operate on the remaining input signals.
- There is a drycontact output mode for users to customize as required.

SPECIFICATIONS	
Power supply	24VAC $\pm$ 10% /24VDC $\pm$ 5%. Current $\geq$ 1A
Inputs	4 analog inputs <ul style="list-style-type: none"> <li>• Current: 0-20mA / 4-20mA (default )</li> <li>• Voltage: 0-10 VDC / 2 – 10VDC</li> </ul>
Outputs	2 outputs: <ul style="list-style-type: none"> <li>• Curent: 0-20mA / 4-20mA</li> <li>• Voltage: 0-10VDC (default) / 2-10VDC.</li> <li>• Voltage: 24VDC</li> </ul>
Display control	Yes
Password	Yes
Error	Yes
Temperature Range	0°C to 50°C
Humidity Range	<90% and non-condensing
Work Environment	Operate in a cool, dry, agent-free place corrosive, flammable
Preservation	Dry, avoid moisture. Temperature 25°C to 70°C, humidity 5% to 95% (non-condensing)
Dimensions ( L x W x H )	163 x 102 x 50 ( mm )



**HARDWARE TERMINATIONS**

24V	0V	UI1	UI2	VCC	UI3	UI4	VCC	UO1	UO2	GND
				GND			GND			COM
24V	0V	AI1	AI2	Com In	AI3	AI4	Com In	AO	DO	GND

- Com In: Power supply for sensors. Sensors 2 wire: The power wire is connect to Com In, signal wire connect to AI. Sensor 3 wire Power connect to Com In, Mass connect to 0V, signal connect to AI.
- Output AO + GND: Analog output
- Ngõ ra DO + GND: 24VDC output
- 24V: Power supply (24VAC/24VDC)
- 0V: 0VAC/VDC

**BLOCK DIAGRAM**

