

AT2-5

77 x 35 x 77 mm

lae
ELECTRONIC

Refrigeration Controller for HT/LT



Main Features

- Selectable Refrigerating or Heating control
- Runs on mains power supply
- Direct compressor control through high power 16(5)A
- Auxiliary output configurable in six different operating modes
- Selectable NTC10K or PTC input
- Electrical, off cycle or hot gas defrost
- Temperature, door open alarms
- Optional light control button
- TTL or RS485 serial port, connectivity option to LAE supervisory systems or IOT
- UL approved

Applications

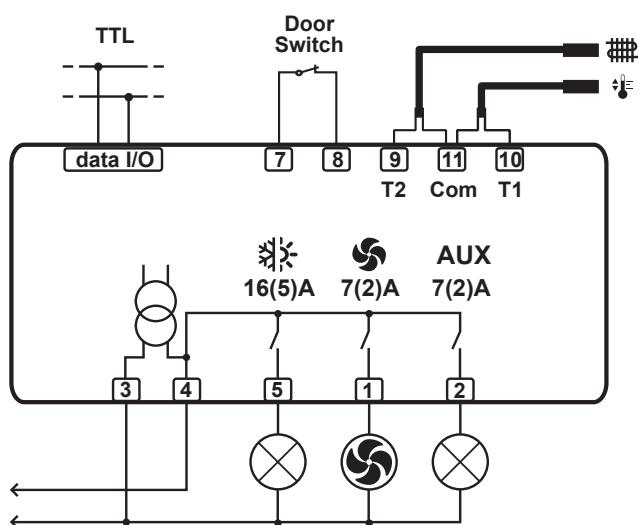
High or Low Temperature upright cabinets and counters, cold stores, plug-in display cases, control panels, heated cabinets.

How to order **AT2**

Model	Suffix	Options	Description
AT2-5			Model and dimensions main unit
Inputs	B		Thermostat probe + evaporator probe + door switch input
Connectors	Q		Quick Connections (detachable screw terminals)
	S		Screw Connections (fixed screw terminals)
Outputs	4		Compressor relay 16A (High Power) + evap. fans + defrost
Power Supply	D		12 Vac/dc
	E		230 Vac
	U		110 Vac
Aux functions	-A		TTL serial port
	-B		RS485 serial port
Overlay artwork	GK		Standard version
	LK		With lights button

- › The standard display is RED
- › All models come with an alarm buzzer
- › Upon request, the AT2-5 is also available with gasket for a better protection between bezel and metal panel

AT2-5



AT2-5BS4E-AGK

Technical Data

Control Range	-50÷120°C
Resolution	0.1 / 1 °C; °F
Accuracy	NTC10K: <±0.3°C (-40.0÷70.0°C) PTC1000: <±0.5°C (-50÷120°C)
Sensor type	Selectable NTC10K standard mod. SN4B20P1/P2 or PTC1000

Relay outputs:

AT2-5.Q... Compressor	12(5)A 240vac
AT2-5.S... Compressor	16(5)A 240vac
Evaporator fans	7(2)A 240vac
Auxiliary loads	7(2)A 240vac
AT2-5.Q...	maximum total current 12A
AT2-5.S...	maximum total current 16A

Power supply	230V~ ±10% 50÷60Hz 3W
Front protection	IP54
Panel cut-out	71 x 29 mm (WxH)
Ambient temperature & humidity	-10÷50°C; 15%÷80% r.H.