

AT1-5

77 x 35 x 77 mm

lae
ELECTRONIC

Refrigeration Controller for HT applications



Main Features

- Selectable Refrigerating or Heating control
- Integrated defrost functions
- Runs on mains power supply
- Direct compressor control through high power 16(8)A relay
- Selectable NTC10K or PTC probe input
- Auxiliary output configurable in four different operation modes
- Temperature, door open alarms
- Optional light control button
- TTL or RS485 serial port, connectivity option to LAE supervisory systems or IOT
- UL approved

Applications

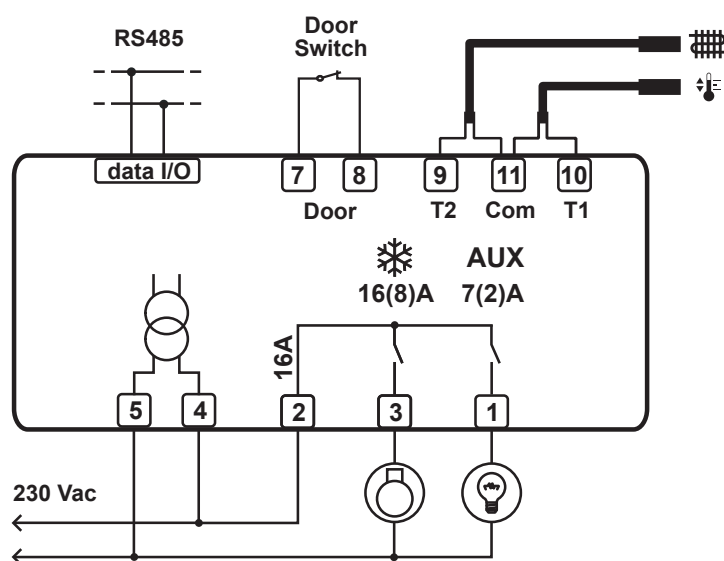
Freestanding upright cabinets and counters, cold stores, plug-in display cases, control panels, heated cabinets.

How to order **AT1**

Model	Suffix	Options	Description
AT1-5			Model and dimensions main unit
Inputs	A		Thermostat probe
	B		Thermostat probe + evaporator probe + door switch input
Connectors	Q		Quick Connections (detachable screw terminals)
	S		Screw Connections (fixed screw terminals)
Outputs	5		Thermostat relay (16(8)A)
	6		Thermostat relay (16(8)A) + Aux relay 7(2)A
Power Supply	D		12 Vac/dc
	E		230 Vac
	U		110 Vac
Relay type			Standard relays
	H		Sealed relays for flammable gas applications
Aux functions	-		None
	-A		TTL serial port
	-B		RS485 serial port
Overlay artwork	GK		Standard version
	LK		With lights button

- › The standard display is RED
- › All versions include buzzer
- › Upon request, the AT1-5 is also available with a gasket for a better protection between bezel and metal panel

AT1-5



AT1-5BS6E-BGK

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:

AT1-5.Q5(6)... Compressor	12(8)A
AT1-5.S5(6)... Compressor	16(8)A
Auxiliary loads	7(2)A 240Vac
AT1-5.Q...	maximum total current 12A
AT1-5.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.