

BR1-27

71 x 97 x 61 mm DIN rail

lae
ELECTRONIC

Clever Refrigeration Controller with RTC



Main features

- Up to six real time defrosts per day
- Enhanced ECO Energy Saving management
- Defrost synchronisation between two or more controllers
- Up to 2 auxiliary configurable outputs (Light, switched loads, second evaporator etc.)
- Universal mains power supply
- Connectivity to hard-wired supervisory systems, or wireless option

Applications

Cold stores, control panels.

How to order **BR1-27**

Model	Suffix	Opt.	Description
BR1-27			Model and dimensions main unit
Inputs	B		Thermostat + evaporator probe
	C		Thermostat + evaporator + auxiliary probe
Aux digital input	1		Voltage free aux. digital input
Connections	S		Screw connections (built-in screw terminals)
Outputs	2		Compressor + evaporator fans
	3		Compressor + evaporator fans + defrost
	4		Compressor + evaporator fans + defrost + auxiliary 1
	5		Compressor + evaporator fans + defrost + auxiliary 1 + auxiliary 2
Power Supply	W		100...240 Vac
Aux functions	-		None
	-A		TTL serial port
	-B		RS485 serial port

➤ All models come with an alarm buzzer and digital inputs DI1, DI2

Standard Model

➤ BR1-27C1S5W-B

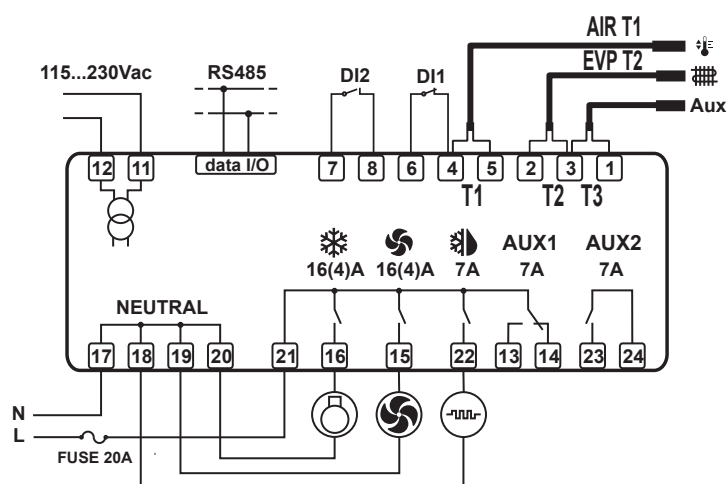
Technical Data

Range	-50÷110°C, -58÷180°F
Resolution	0.1 / 1 °C; °F
Precision	<±0.5°C within the measurement range
Sensor type	NTC 10KΩ@25°C

Relay output max loads (240Vac):

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Compressor	16A resistive 3.6 FLA 21.6 LRA
Evap. Fan	16A resistive 3.6 FLA 21.6 LRA
Defrost	7A resistive 1 FLA 4 LRA
Auxiliary loads 1	7A resistive 1 FLA 4 LRA
Auxiliary loads 2	7A resistive 1 FLA 4 LRA
Power supply	100÷240Vac ±10% 50÷60Hz 3W
Ambient temperature & humidity	-10÷50°C; 15%÷80% r.H.

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