

BR1-28

107 x 95 x 47 mm

lae
ELECTRONIC

Clever Split Refrigeration Controller with RTC



Main features

- Refrigeration controller with timed defrosts
- Enhanced ECO Energy Saving management
- Optional compressor variable speed control
- Suitable for R290
- 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
- Many display options: coloured LED's with DU5S, capacitive touch TU5S or high contrast LCD, fully customised
- UL approved

Applications

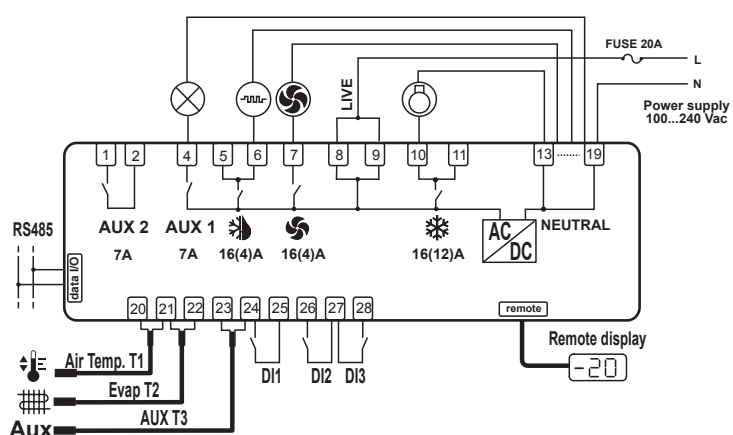
Upright refrigerators, plug-in and supermarket display cases, cold stores, control panels.

How to order **BR1-28**

Model	Suffix	Opt.	Description
BR1-28			Model and dimensions main unit
Inputs	B		Thermostat + evaporator probe
	C		Thermostat + evaporator + auxiliary probe
Aux digital input	0		None
	1		Voltage free aux digital input
Connections	Q		Quick connections (male + female screw terminals)
	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
Relay type			Standard relays
	H		Sealed relays
Aux functions	-		None
	-A		TTL serial port
	-B		RS485 serial port

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

BR1-28



BR1-28C1S5W-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):

	BR1-28...S...-...	BR1-28...Q...-...
Condensed fan	16A resistive 12 FLA 72 LRA	12A resistive 12 FLA 72 LRA
Evap. Fan	16A resistive 3.6 FLA 21.6 LRA	12A resistive 3.6 FLA 21.6 LRA
Defrost	16A resistive 3.6 FLA 21.6 LRA	12A resistive 3.6 FLA 21.6 LRA
Auxiliary loads 1	7A resistive	7A resistive
Auxiliary loads 2	7A resistive	7A resistive
Power supply	100÷240Vac ±10% 50÷60Hz 3W	
Ambient temperature & humidity	-10÷50°C; 15%÷80% r.H.	