

BD1-28

107 x 95 x 47 mm

Split Comprehensive Refrigeration Controller



Main features

- Refrigeration controller with cyclic 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
- Many display options: coloured LED's with DU5S, capacitive touch TU5S or high contrast LCD, fully customised

Applications

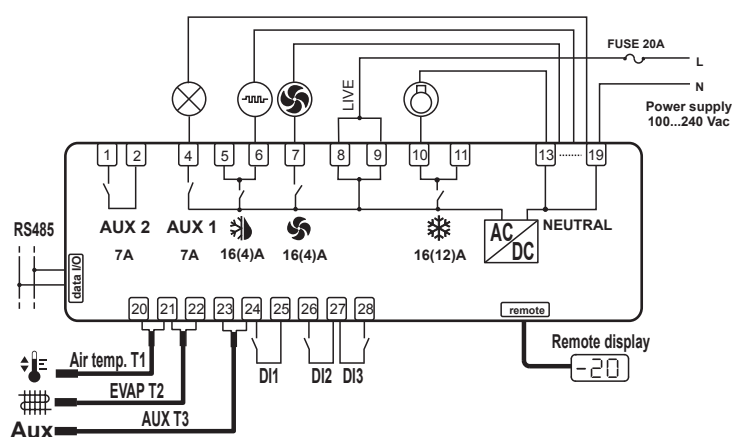
Upright refrigerators, plug-in and supermarket display cases, cold stores, control panels.

How to order **BD1-28**

Model	Suffix	Opt.	Description
BD1-28			Model and dimensions main unit
Inputs	B		Thermostat probe + evaporator probe
	C		Thermostat probe + evaporator probe + auxiliary probe
Aux digital input	0		None
	1		Voltage free aux digital input
Connectors	Q		Quick connections (male + female screw terminals)
	S		Screw connections (fixed screw terminals)
Outputs	2		Compressor (16(12)A) + evaporator fans (16(4)A)
	3		Compressor + evaporator fans + defrost (16(4)A)
	4		Compressor + evaporator fans + defrost + Aux 1 (7A)
	5		Compressor + evaporator fans + defrost + Aux 1 + Aux 2 (7A)
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 versions come with an alarm buzzer and digital input DI1, DI2.

BD1-28



BD1-28C1S5W-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	Mod. standard SN4B20P1/P2/P3

Relay output max loads (240Vac):

	BD1-28...S...-...	BD1-28...Q...-...
Compressor	16A resistive 12 FLA 72 LRA	16A resistive 12 FLA 72 LRA
Evap. Fan	16A resistive 3.6 FLA 21.6 LRA	16A resistive 3.6 FLA 21.6 LRA
Defrost	16A resistive 3.6 FLA 21.6 LRA	16A resistive 3.6 FLA 21.6 LRA
Auxiliary loads 1	16A resistive 1 FLA 4 LRA	16A resistive 1 FLA 4 LRA
Auxiliary loads 2	16A resistive 1 FLA 4 LRA	16A resistive 1 FLA 4 LRA
Power supply	100÷240Vac ±10% 50÷60Hz 3W	
Ambient temperature & humidity	-10÷50°C; 15%÷80% r.H.	