



## CLEVER SPLIT DEFROST CONTROLLER

Refrigeration controller with cyclic defrosts ● Enhanced ECO Energy Saving management ● Synchronised defrosts among more controllers ● Optional control of a second compressor or evaporator ● Up to 2 auxiliary outputs (Light, switched loads etc.) ● Excellent evaporator fan control ● Universal mains power supply ● Optional power supply for refrigerated transports ● Several alarm sources: temperature, door, condenser high temperature etc. ● Quick programming through ZOT-BD1 ● Connection to LAE supervisory systems, including wireless option ● Many display options: coloured LED's with DU5S or new high contrast LCD, fully customised

### APPLICATIONS:

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

### BD1-28 series

Functions		B0Q3W-A	C1S4L-C	C1S5W-B
Temperature inputs	Thermostat	✓	✓	✓
	Evaporator	✓	✓	✓
	Auxiliary		✓	✓
DI1, DI2 digital inputs	Voltage free contact	✓		
DI3 aux. digital input	Voltage free contact/defrost synchronization		✓	✓
Outputs	Thermostat	✓	✓	✓
	Evaporator fans	✓	✓	✓
	Defrost	✓	✓	✓
	Auxiliary 1		✓	✓
	Auxiliary 2			✓
Connections	Quick with M/F connectors	✓		
	Screw terminals		✓	✓
Power supply	100÷240Vac	✓		✓
	7÷30Vdc		✓	
Aux functions	TTL serial port	✓		
	RS485 serial port			✓
	RF module		✓	

All models come with an alarm buzzer.



### TECHNICAL DATA DU5S: RED LED DISPLAY UNIT

Dimensions : 77x35x20 mm (WxHxD)      Panel cut-out: 71x29mm  
 Front protection: IP55

### 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  
 Power supply: 100÷240Vac ±10% 50÷60Hz 3W

Wiring diagrams

Applications

Instruction

