



Refrigeration Controllers with Defrost

lae
ELECTRONIC

LCD28
105x90x55 mm

Split Powerful Defrost Unit

LCD28 Series

Functions		CS4E-A	CS4E-B
Inputs	thermostat	✓	✓
	evaporator	✓	✓
	auxiliary	✓	✓
	door switch + aux. Digital input	✓	✓
Outputs	thermostat	✓	✓
	defrost	✓	✓
	evaporator fans	✓	✓
	auxiliary load	✓	✓
Options	TTL serial port	✓	
	RS485 serial port		✓
Power supply	230 Vac	✓	✓
Connections	Screw terminals	✓	✓

Versions with quick connectors for the outputs are also available

All models are fitted with alarm buzzer

Versions with 12V or 110V supply are also available.

Please consult LAE or our local dealer.

Main Features

- Thermostat for High and Low Temperature
- **FLEXICOLD** self-learning refrigeration control
- No need for contactors or external wiring
- Runs on mains power supply
- Evaporator fan control
- Electrical, hot gas or off cycle defrost
- Alarm on buzzer
- Door open, high/low temperatures, HP alarms
- Condenser clean warning
- HACCP functions
- On/Off button
- Quick setup through ZOT device
- Connection to LAE supervisory systems TAB.

Applications

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

Technical Data

Control Range:	-40.0 ÷ 40.0°C
Resolution:	0.1 / 1°; °C / °F
Accuracy:	< ±0.2°C (-30.0 ÷ 30.0°C)
Type of sensor:	NTC mod. standard SN2K20P1/P2/P3
Power supply:	230Vac ±10%; 50/60Hz; 3W
Protection:	IP40
Ambient temperature:	-10 ÷ 50°C

LCD16 display unit

Size:	77x35x20 mm (WxHxD)
Panel cut-out:	71x29 mm
Front protection:	IP55
Ambient temperature:	-10 ÷ 50°C

