

TIMED DEFROST CABINET CONTROLLER WITH LIGHTS, FANS AND HEATER CONTROL

LCED

Type LCED is a unit suitable for the control of refrigerated display cabinets where defrosts are controlled locally according to time of day. The unit controls cabinet temperature by measuring two air temperatures and operating the evaporator liquid solenoid valve.

Up to 12 defrosts per day can be achieved by setting a schedule of defrost start times and durations in the unit. Defrosts are terminated when the temperature of the air leaving the evaporator (or alternatively the evaporator temperature itself) exceeds an adjustable defrost termination value, or when an adjustable time is reached.

The unit detects and indicates high temperatures. The alarm level and its response time are adjustable. High temperature alarms are cancelled during defrost.

Cabinet temperature together with simple alarm and defrost mode messages can be indicated using a JTL display unit.

LCED can automatically control cabinet lighting and night blinds in conjunction with a JTL LCTB lighting controller for site-wide control.

Type LCED provides comprehensive alarm reporting, data-logging and remote access when connected to a JTL Communications Unit.

Type LCED is ideal for use with electric defrost systems, 3 pipe or ring main gas defrost systems.

FEATURES

- ? Up to 12 timed defrosts per day
- ? Default data set-up switches
- ? Temperature measurement inputs
- ? Non-volatile set-up memory
- ? Temperature display drive
- ? Watchdog to ensure reliable operation
- ? Relay Outputs
- ? Battery supported data-logging memory
- ? Maintenance unit socket
- ? Communications socket
- ? Battery supported real-time clock
- ? Blind and lighting override input



HARDWARE

? Temperature probe inputs	4
? Probe types supported	Tempkey or Elm (selectable)
? Temperature display drives	1
? Voltage-free contact outputs	5
? Voltage-free contact inputs	2
? Data logging memory capacity	1000 points on 2 channels

TECHNICAL SPECIFICATION

Temperature probe input 1	Air On
Temperature probe input 2	Air Off
Temperature probe input 3	Evaporator
Temperature probe input 4	Suction Line
Input 1	Lighting override
Input 2	Not used
Output 1	Lighting/Night blind control
Output 2	Fans control
Output 3	Liquid valve control
Output 4	Defrost control (changeover contact)
Output 5	Auxilliary heater and suction valve control (changeover contact)
Relay output rating	1 A resistive (240 V max).
Unboxed Dimensions (LxWxH)	208 x 167 x 43 mm
Unboxed Weight	0.52 kg
Power supply (standard)	230 V 48-62 Hz
(optional)	110V

ORDERING INFORMATION

LCED

printed circuit board only

Power Supply Options:

For 110 V append - 110 to order code

For suitable enclosures see appropriate datasheet.

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JTL SYSTEMS LTD

Sales: 41 Kingfisher Court, Hambridge Road, NEWBURY, Berkshire, RG14 5SJ
Service: 1 Petre House, Petre Street, SHEFFIELD, S. Yorks, S4 8LJ

Tel: (01635) 263646
Tel: (0114) 256 0908