

TIMED DEFROST CABINET CONTROLLER WITH INDEPENDENT DEFROST TERMINATION

LCID

Type LCID is a unit suitable for the control of refrigerated display cabinets where defrosts are controlled locally according to time of day. The unit controls the temperature of up to 3 cabinet sections by measuring two air temperatures and operating a single 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 at each of up to 3 evaporators when the temperature at the associated defrost termination sensor 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.

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

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

Type LCID is ideal for use with electric 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 7
- ◆ 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
Temperature probe input 5	.....	Termination 1
Temperature probe input 6	.....	Termination 2
Temperature probe input 7	.....	Termination 3
Input 1	.....	Lighting override
Input 2	.....	Not used
Output 1	.....	Lighting/Night blind control
Output 2	.....	Defrost heater 3/Fan/Auxiliary heater control
Output 3	.....	Liquid valve control
Output 4	.....	Defrost heater 2 control
Output 5	.....	Defrost heater 1 control
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)	.....	240 V 48-62 Hz
(optional)	.....	110 or 220 V

ORDERING INFORMATION

LCID printed circuit board only

Power Supply Options:

For 110 V append - 110 to order code

For 220 V append - 220 to order code

For suitable enclosures see appropriate datasheet.

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