

DISPLAY CABINET CONTROLLER

LCGD

Type LCGD is a unit suitable for the control of refrigerated display cabinets where defrost is initiated by external equipment. The unit controls the cabinet temperature by measuring two air temperatures and operating the evaporator liquid solenoid valve.

The unit can be set for terminating or controlling the defrost. Defrost is detected by a probe mounted on the suction line, or by communications.

The defrost is terminated when the temperature of the air leaving the evaporator exceeds an adjustable defrost termination value, or when an adjustable time is reached.

Evaporator fans are run while refrigerating and are stopped during defrost. The auxiliary heater output is turned on during defrost and is off at all other times.

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 a simple alarm and defrost mode messages can be indicated locally by using a JTL display unit.

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

FEATURES

- ◆ Temperature measurement inputs
- ◆ Default data set-up switches
- ◆ Temperature display drive
- ◆ Non-volatile set-up memory
- ◆ Relay outputs
- ◆ Watchdog to ensure reliable operation
- ◆ Maintenance unit socket
- ◆ Data-logging memory
- ◆ Communications sockets
- ◆ Comms initiated defrost option

HARDWARE

- ◆ Temperature probe inputs 4
- ◆ Probe types supported Tempkey
- ◆ Temperature display drives 1
- ◆ Voltage-free contact outputs 4
- ◆ Voltage-free contact inputs 0
- ◆ Data logging memory capacity 1000 points on 3 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
Output 1	.....	Auxiliary heater control
Output 2	.....	Fan Control
Output 3	.....	Liquid valve control (Normally closed valve)
Output 4 (changeover contact)	.....	Defrost control
Relay output rating	.....	1 A resistive (240 V max)
Unboxed dimensions(L x W x H)	.....	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

LCGD 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.

Doc No. 00855 LCGD_datasheet.wpd Issue 2 Sept 1993

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