

# CABINET CONTROLLER MASTER/SLAVE DEFROST

ECEL

Type ECEL is a unit suitable for use in groups for the control of multiple evaporators in refrigerated display cabinets.

Up to 6 defrosts per day can be initiated by setting a schedule of defrost start times and durations in the master ECEL. Each slave ECEL can be connected to initiate defrost when the master ECEL initiates defrost. Each unit terminates defrost independently when the temperature of the air leaving its 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 locally using a JTL Communications Unit.

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

## FEATURES

- ◆ Up to 6 timed defrosts per day
- ◆ Default data set-up switches
- ◆ Non-volatile set-up memory
- ◆ Temperature measurement inputs
- ◆ Watchdog to ensure reliable operation
- ◆ Temperature display drive
- ◆ Relay Outputs
- ◆ Battery supported data-logging memory
- ◆ Maintenance Unit socket
- ◆ Battery supported real-time clock
- ◆ Communications socket

## HARDWARE

- ◆ Temperature probe inputs . . . . . 4
- ◆ Probe types supported . . . . . Tempkey
- ◆ Temperature display drives . . . . . 1
- ◆ Voltage-free contact outputs . . . . . 2
- ◆ Voltage-free contact inputs . . . . . 2
- ◆ Data logging memory capacity . . . . . 360 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	.....	Master defrosting
Input 2	.....	Slave(s) defrosting
Output 1	.....	Liquid valve control (Normally closed valve)
Output 2	.....	Defrost control
Relay output rating	.....	1 A resistive (240 V max.)
Unboxed Dimensions (LxWxH)	.....	208 x 88 x 40mm
Unboxed Weight	.....	0.36 kg
Power supply (standard)	.....	240 V 48-62 Hz
(optional)	.....	110 or 220 V

## ORDERING INFORMATION

ECEL ..... 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. 00842 ECEL\_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