

# COLDROOM CONTROLLER SENSED DEFROST

**ECCS**

The ECCS is a unit suitable for the control of coldrooms where defrost is initiated by external equipment. The unit controls the coldroom temperature by measuring two air temperatures and operating the evaporator solenoid valve.

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

The defrost is terminated when the temperature of the evaporator 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.

If a door switch is fitted, an alarm is raised if the door remains open beyond an adjustable time limit.

Coldroom temperature together with simple alarm and defrost mode messages can be indicated locally using a JTL display Unit.

Type ECCS provides 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 Socket
- ◆ Comms initiated defrost option

## HARDWARE

- ◆ Temperature probe inputs . . . . . 4
- ◆ Probe types supported . . . . . Tempkey, Elm (selectable)
- ◆ Temperature display drives . . . . . 1
- ◆ Voltage-free contact outputs . . . . . 2
- ◆ Voltage-free contact inputs . . . . . 2
- ◆ Data-logging memory capacity . . . . . 930 points on 4 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 .....	Liquid valve control (Normally closed valve)
Output 2 .....	Defrost control (termination - normally open valve)
Relay output rating .....	1 A resistive (240 V max)
Input 1 .....	Door Switch
Input 2 .....	Defrost input
Unboxed dimensions (L x W x H) .....	208 x 88 x 40 mm
Unboxed Weight .....	0.36 kg
Power supply (standard) .....	240 V 48-62 Hz
(optional) .....	110 or 220 V

## ORDERING INFORMATION

ECCS .....

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. 00837 ECCS\_datasheet.wpd Issue 3 Jan 1994

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