

# COLDROOM CONTROLLER WITH TIME CLOCK

ECCT

The ECCT is a unit suitable for the control of coldrooms where defrosts are controlled locally according to time of day. The unit controls the coldroom temperature by measuring two air temperatures and operating the evaporator solenoid valve.

Up to 6 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 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.

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.

A plant alarm input is provided for local and remote indication.

The controller can be isolated remotely providing capability for standby unit operation.

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

Type ECCT is ideal for use with electric defrost systems.

## FEATURES

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

## 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 . . . . . 350 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
Output 1	.....	Liquid valve control (Normally closed valve)
Output 2	.....	Defrost control
Relay output rating	.....	1 A resistive (240 V max.)
Input 1	.....	Door Switch
Input 2	.....	Plant alarm
Unboxed dimensions (LxWxH)	.....	208 x 194 x 43mm
Unboxed Weight	.....	0.57 kg
Power supply (standard)	.....	240 V 48-62 Hz
(optional)	.....	110 or 220 V

## ORDERING INFORMATION

ECCT ..... 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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