

TEMPERATURE CONTROLLER

ECCH

The ECCH is a unit suitable for the control of room where heating and cooling is required. The unit controls the coldroom temperature by measuring two air temperatures and operating the evaporator solenoid valve, or electrical heaters.

There is no defrost sequence.

The unit detects and indicates high temperatures. The alarm level and its response time are adjustable.

An alarm is raised if the door remains open beyond an adjustable time limit.

Room temperature together with simple alarm 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 ECCH provides comprehensive alarm reporting, data-logging and remote access when connected to a JTL Communications Unit.

FEATURES

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

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	.....	Heater 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

ECCH 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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