

# CABINET CONTROLLER SENSED DEFROST

## ECAS-C

Type ECAS-C 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, or by contact input.

The defrost is terminated when the evaporating temperature or the temperature of the air leaving the evaporator exceeds an adjustable 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 by using a JTL display unit.

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

The ECAS-C is a general purpose unit which replaces obsolete JTL products types EC, ECCN, ECRB and ECLS.

## 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
- Communications sockets
- Data-logging memory
- Network initiated defrost
- Shutdown by network command

## HARDWARE

- Temperature probe inputs ..... 4
- Probe types supported ..... Tempkey, Elm, CDK
- Temperature display drives ..... 1
- Voltage-free contact outputs ..... 2
- Voltage-free contact inputs ..... 1
- 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 .....	Liquid valve control (Normally closed valve)
Output 2 .....	Defrost control (termination - normally open or closed valve)
Relay output rating .....	1 A resistive (230 V max)
Input 1 .....	Defrost input (voltage free)
Unboxed dimensions (L x W x H) .....	208 x 88 x 40 mm
Unboxed weight .....	0.36 kg
Power supply (standard) .....	230 V 48-62 Hz
(Optional) .....	110 V

## ORDERING INFORMATION

ECAS-C .....

Printed circuit board only

### Power Supply Options:

For 110 V append - 110 to order code

For suitable enclosures see appropriate datasheet.

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