## **Electrical Installation Requirements**

Care should be taken to separate the power and signal cables to prevent electrical interference and possible damage due to inadvertent connection.

#### **CE Conformance**

This unit conforms with the relevant EU standards when installed according to the JTL Installation Requirements for this product.

### **Temperatures**

Temperatures (con5)

- +1 A1 Channel 1
- +2 A2 Channel 2
- +3 A3 Channel 3
- +4 A4 Channel 4

#### **Use of Maintenance Unit**

The monitor can be checked and the operation adjusted using a JTL portable maintenance unit which plugs into the monitor. Each item of information has an item number. The more important items are listed in the tables overleaf. Examples:

To read item 20 press:



To set item 24 to -20.0 press:



To correct errors press:



To select next or previous items press:



### **JTL Network Communications**

JTL network connections are available as screw terminal or RJ an alarm is given after a programmable delay, on the JTL alarm system. connections for use with JNet cables.

All JTL network products must be connected in parallel without cross connections

## **Initial Commissioning**

The monitor has a set of data built in to its program for use during **Network Shutdown** commissioning. This can be accessed by setting item 9 to 1234. This will be made as necessary. The range over which the settings can be adjusted is shown overleaf.

The monitor communicates on a JTL network. The unit number should **Item Numbers** be set on item 1.

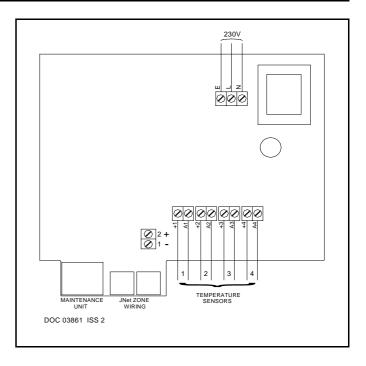
## **Unit Function**

The function of this unit can be selected on item 60. This is used to change the presentation on the JTL network.

## **Temperature Monitoring**

The temperature on each sensor can be viewed as a damped and undamped value. The damping time constant can be adjusted on item

Each of the four temperatures can also be included in an average overall temperature. The temperatures included in the average can be individually selected.



#### **Defrost**

The defrost sequence can be initiated by command from the JTL communications network.

Defrost is terminated on time

### **Temperature Alarms**

The air temperature is monitored continually. The temperature is averaged over the period set on item 65. If the average temperature exceeds the alarm level or falls below the level under temperature then

The average overall temperature has its own alarm levels and time delay.

High air temperature alarms are suppressed during defrost and defrost recovery by default. This can be changed on item 67.

This monitor supports the JTL Network shutdown facility. When this load into the monitor a standard set of data. Adjustments should then facility is enabled and a channel shutdown command is received over the JTL Network, the channel alarms are disabled. The temperature alarm sequence is initialised.

The TA261 monitor is a 4 sensor unit. Items 20-29 are for sensor 1, items 30-39 are for sensor 2, items 40 - 49 are for sensor 3 and items 50 - 59 for sensor 4.

Item	Function	Range	Units
4	ITI wait awas bear	0.4 to 000.0	
1 1	JTL unit number	0.1 to 899.8	
141	Defrost strategy	0=none 1=network	
145	Defrost recovery time	0 - 120	min
147	Maximum defrost time	0 - 120	min
65	Damping time constant	0 - 120	min
60	Unit function	0=general purpose 1=heat exchanges 2=coldroom	
66	Critical alarm period	10 - 120	min
67	Suppress HT alarms during defrost/defrost	0=no 1=yes	
	recovery	0 00 4 11	
169	Enable average temperature set point	0=off 1=enable	°C
165	Average temperature set point	-99.9 to 99.9	°C
164	High average temperature alarm level	-99.9 to 99.9	°C
162	Low average temperature alarm level	-99.9 to 99.9	
166	Average alarm type	0=critical 1=non-critical	min
167	Average alarm delay	0 - 120	
200	Inhibit suction optimisation	0=enable 1=inhibit	
79	Mode enable	0=disable 1=enable	
29,39,49,59	Enable channel	0=off 1=on	
24,34,44,54	High alarm level	-99.9 to 99.9	°C
22,32,42,52	Low alarm level	-99.9 to 99.9	°C
27,37,47,57	Alarm delay	0 - 120	min
26,36,46,56	Alarm type	0=critical 1=non-critical	
28,38,48,58	Include channel in average	0=exclude 1=include in average	

OTHER USEFUL ITEMS			
Item	Function		
160 70 20,30,40,50 21,31,41,51	Average temperature Mode Damped temperature Temperature		

Full operating manuals and item number information can be obtained from your supplier or JTL Systems.

# **Supply Requirements**

230 V ac 48-52 Hz Supply 3 VA maximum



This unit conforms with the relevant EU standards when fitted in accordance with its installation instructions.

## **Applicable Documentation**

Doc No. 03484 Item Numbers Firmware Variations Doc No. 03485 Connection Diagram Doc No. 03308 Evaporator Manual Doc No. 01923 Installation Requirements Doc No. 03308 Datasheet Doc No. 03856