

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: and

JTL Network Communications

JTL network connections are available as screw terminal or RJ 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 commissioning. This can be accessed by setting item 9 to 1234. This will load into the monitor a standard set of data. Adjustments should then be made as necessary. The range over which the settings can be adjusted is shown overleaf.

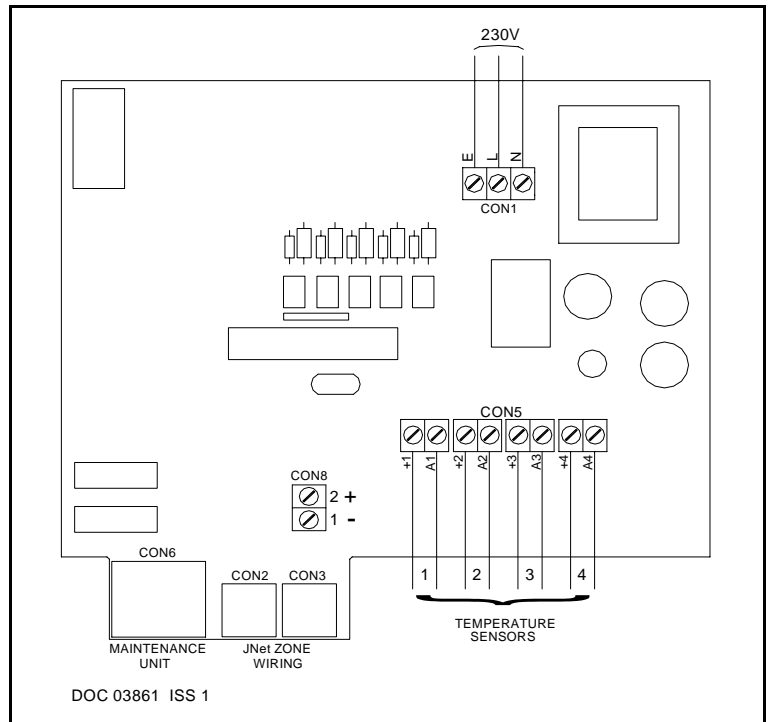
The monitor communicates on a JTL network. The unit number should be set on item 1.

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 65. 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 an alarm is given after a programme tune, on the JTL alarm system.

The average overall temperature has its own alarm levels and line display.

High air temperature alarms can be suppressed during defrost and defrost recovery.

Network Shutdown

This monitor supports the JTL Network shutdown facility. When this 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.

Item Numbers

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.

ADJUSTABLE PARAMETERS			
Item	Function	Range	Units
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 exchange 2=coldroom	
66	Critical alarm period	10 - 120	min
169	Enable average temperature set point	0=off 1=enable	
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	°C
166	Average alarm type	0=critical 1=non-critical	
167	Average alarm delay	0 - 120	min
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	Average temperature
70	Mode
20,30,40,50	Damped temperature
21,31,41,51	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

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