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.

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 45 press: [ITEM] [4] [5] [ENTER]

To set item 45 to 26 press:

[ITEM] [4] [5] [ENTER] [SET] [2] [6] [ENTER]

To correct errors press: [CANCEL]

To select next or previous items press: [+] and [−]

DOC 02758   ISS 1

JTL Network Communications
The JTL network port (connector F) is arranged for 2 wire (half duplex) communications. The wiring of the port is:

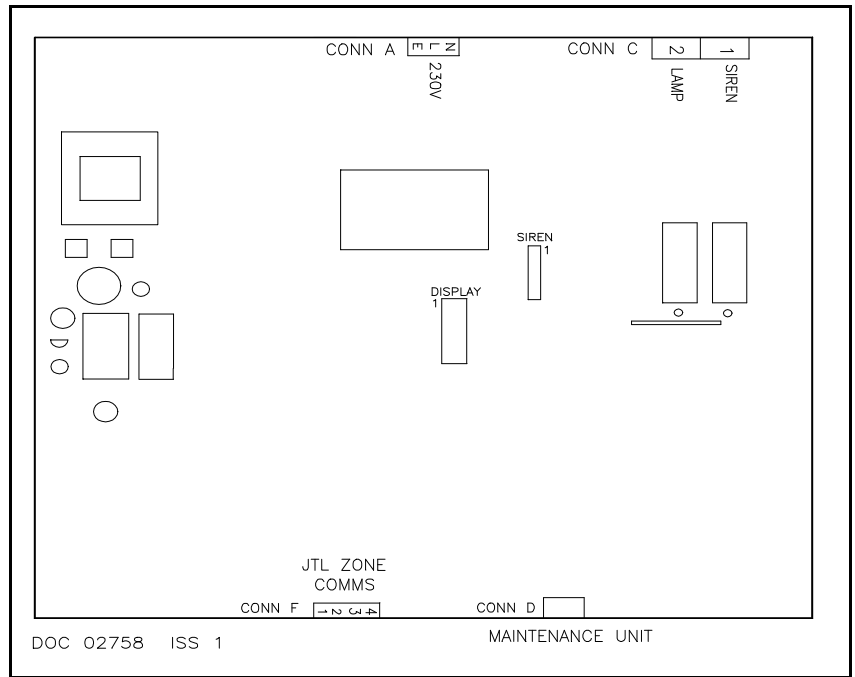|	2 wire
1	-
2	+
3	
4	
5	

Note all network products must be connected in parallel without cross connections.

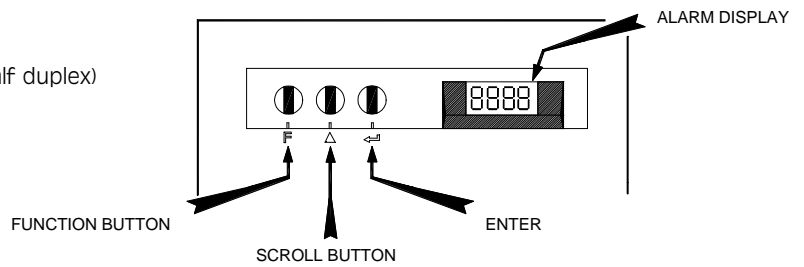The communications rate is automatically selected for 4800 or 38400 baud.

Initial Commissioning
The monitor has a set of data built in to its program for use during commissioning. This can be accessed setting item 9 to 1234. This loads into the monitor a standard set of data. Adjustments should then be made as necessary. The range over which the settings can be adjusted shown overleaf.

The unit number for the JTL communications network should be set on item 1.

Alarm Display

The alarm display displays the most serious unaccepted alarms by cycling the display through the Unit Number and the Alarm Description. If there are no current active alarms. the display will show "JTL".

The "scroll" △ button should be used to check the entire list of alarms each time the siren sounds.

Alarm Siren Operation
The siren is set to "on" whenever a new "announced" alarm is detected at the network controller. Note, there is a programmable delay for each alarmed unit from the detection of the alarm and the announcing of the alarm at the alarm annunciator. Each alarmed unit can individually be programmed to activate the alarm annunciator. This programming is undertaken at the network controller not at the alarm annunciator. It should be noted that there can be a delay between the display indicating the alarm and the siren being set on.

If item 25 is set to "on" then pressing any pushbutton on the NA110 display will "mute" the siren. If item 25 is set to "off" then the siren can only be muted using the alarm acceptance procedure at the JTL computer terminal.

Alarm Lamp Operation

If item 28 is set "on" then whenever a new alarm is detected by the JTL network controller, the alarm lamp output is set on. If item 26 is set "on" the lamp can be extinguished in the same way as the siren is muted. If item 26 is set "off" the alarm lamp output will always be on whenever there is an "announced" alarm type present on the system.

Cleaning Function

If item 27 is set "on" then the display pushbuttons can be used to set up a 5 minute period during which any fixture may be legitimately switched off. Fixtures switched off during this 5 minute period are registered as "switched off" and not as faulty. When the fixture is next switched on it is automatically registered onto the network.

The key sequence is as follows:

Press ⊏ the display shows "Func"

Within 5 seconds press △

Wait until message "A.diS" appears

Wait until "oFF" is displayed

Press ⟵⌐ "on" should appear

Press △ until the display shows "data or alternates "turn" "off"

The annunciator returns to normal alarm mode after 5 minutes

Test Dial-out

The alarm annunciator can be used to initiate a test dial-out to any remote monitoring centre. The dial-out action is done by the JTL network controller. Automatic test dial-outs occur when item 43 is set to "on". The dial-out can be set using item 44 to be either weekly or monthly. Item 45 sets the dial-out to be on a particular day of the week or on a particular day of the month.

Item 46 specifies the time of day and 47 how long the dial-out test alarm remains current.

Manual test dial-outs can be indicated from the display pushbuttons when item 48 is set "on".

To activate a manual dial-out the key sequence is as follows:

Press ⊏ the display shows "Func"

Within 5 seconds press △

Press △ until message "d.tst" appears

Wait until "oFF" is displayed

Press ⟵⌐ "on" should appear

The display then scrolls automatically through the dial-out test information before returning to normal alarm mode.

ADJUSTABLE PARAMETERS			
Item	Function	Range	Units
1	Unit number	0.1 to 899.9	
43	Auto dial-out test function	0=disabled 1=enabled	
44	Auto test dial-out frequency	0=weekly (52) 1=monthly (12)	
45	Auto test dial-out day of week or month	0-6 OR 1-31	
46	Auto test dial-out time of day	00:00 - 23:59	hr:mn
47	Auto test dial-out duration	00:15 - 01:00	hr:mn
48	Manual test dial-out function	0=disabled 1=enabled	

OTHER USEFUL ITEMS				
Item	Function		Item	Function
2	Time of day	Delivered by	49	Dial-out test command sent by JTL network controller
3	Day of week	Jnet network	71	Display pushbutton status
4	Date	broadcasting	99	Test display
5	Year		101	Test output relays

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

Supply and Input Requirements

230 V ac 48-62 Hz
Supply 6 VA maximum
Inputs 2 mA maximum

Note   The information contained in this document applies to the current version of the unit supplied with it. Full operating manuals, item number and software variation information can be obtained from your supplier or JTL Systems.

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

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