1. INSTALLATION

The two indicators contained in this manual have different IN cases (refer to section II). Some installation details vary between these models. These differences have been clearly shown.

Note: The functions described in sections 2 to 8 are common to both models.

### 1.1 Option Module

Installing Option Modules:

- **CPU PCB**
- **Option Module A**
- **Option Module B**
- **Option Module C**
- **PSU PCB**
- **Option Module D**
- **Option Module E**
- **Option Module F**
- **Option Module G**
- **Option Module H**

To access modules 1 to 4, first detach the PSU and CPU boards from the front face by lifting the upper and lower mounting slats. Gently separate the boards. Then plug the required option modules into the correct connectors, as shown below.

- Locate the module tokens in the corresponding slot on the opposite board.
- Hold the main boards together while releasing back on the mounting slats.
- Replace the bands with the connectors and CPU boards with their guides.

Note: Option modules are automatically detected at power up.

### 1.2 Rear Terminal Wiring

**USE COPPER CONDUCTORS (EXCEPT FOR 7C INPUT)**

Single Wire: Wire gauge: Max 1.0mm² (16AWG)

### 1.3 CAUTION

Do not remove the panel; it is a seal against dust and moisture.

### 2. SELECT MODE

Select mode is used to access the configuration and operation menu functions.

#### 2.1 Low Alarm 4

1. F2
2. F3
3. F4

#### 2.2 High Alarm 4

1. F1
2. F3
3. F4

1. F1
2. F2
3. F4

Note: All menu options are available only once configuration mode is completed.

### 3. CONFIGURATION MODE

- Press F1 to scroll through the parameters. The parameter is displayed in the current value.
- Press F2 to set the required value. Press F3 to display SET, press F4 and return to configuration mode.

### 4. Parameters Displayed in the Parameter Menu

- **Parameter Value**
- **Parameter Description**
- **Parameter Adjustment Range**
- **Display Value**

#### 5. Reference Table

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Display Value</th>
<th>Reference Table</th>
<th>Reference Table</th>
<th>Reference Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>Voltage</td>
<td>Power</td>
<td>Voltage</td>
<td>Power</td>
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</tbody>
</table>

### 6. Display Colour

- **Display Colour**
- **Display Setting**
- **Display Selection**

#### 7. Alarm Types

- **Alarm 1**
- **Alarm 2**
- **Alarm 3**
- **Alarm 4**

- **Threshold Value**
- **Display Value**
- **Alarm Status**

Note: The diagrams above show all possible option combinations. The actual connection required depends on the model and set option.

### CAUTION

Check information label on housing for correct operating voltage before connecting or applying power input.

Fuse: 100 – 240V ac – Tmp anti-surge 24VDC ± 10% and 12VDC ± 10%.

Note: At first power-up the message C00F LF0F is displayed, as described in section 5 of this manual. Access to other menus is denied until configuration mode is completed.
### 5. MESSAGES & ERROR INDICATIONS

These messages indicate that an alarm may require attention, or there is a problem with the signal input connection. The message legend is shown for
3
testpurposes.

- **Caution:** Do not continue with the process until the issue is resolved.

### 6. OPERATOR MODE

This mode is entered at power on, or accessed from Select mode (see section 2). All parameter and mode settings may be set as required before starting process operation. Press to scroll through the parameters (while the key is pressed, and for 1 sec after) to display parameter setting. Press the AM/PM key to return to Select mode.

### 7. PRODUCT INFORMATION MODE

Fast scroll Product information mode from Select mode (refer to section 2). Press to view each parameter while the key is pressed, and for 1 sec after the last parameter is displayed. Press and hold to return to Select mode. Note: These parameters are all read only.

### 8. SERIAL COMMUNICATIONS

Refer to the full user guide (available from your supplier) for details.

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**4. SETUP MODE**

- **Note:** Configuration must be complete before adjusting Setup parameters. First select Setup mode from Select mode (refer to section 2). Press to scroll through the parameters (while the key is pressed, and for 1 sec after) to display parameter setting. Press the AM/PM key to return to Select mode. Parameters displayed depend on how instrument has been configured.

**5. ADJUSTMENT RANGE & DESCRIPTION**

- **Warning:** Set Value and Default Value display may also be disabled if an incorrect input type is selected.

**6. MESSAGES & ERROR INDICATIONS**

- **Caution:** Do not continue with the process until the issue is resolved.

**7. OPERATOR MODE**

This mode is entered at power on, or accessed from Select mode (see section 2). All parameter and mode settings may be set as required before starting process operation. Press to scroll through the parameters (while the key is pressed, and for 1 sec after) to display parameter setting. Press the AM/PM key to return to Select mode. Parameters displayed depend on how instrument has been configured.

**8. TOTAL COMMUNICATIONS**

Refer to the full user guide (available from your supplier) for details.

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