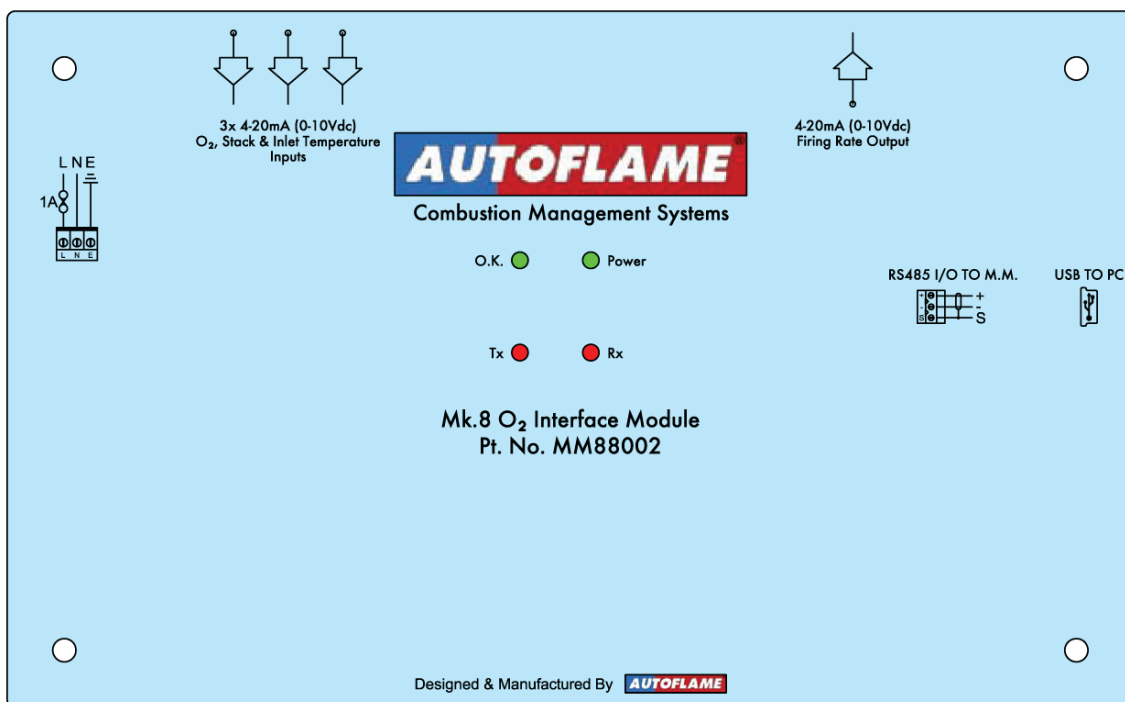




## Mk8 O<sub>2</sub> Interface

The Mk8 O<sub>2</sub> Interface can ONLY be used with the Mk8 Controllers (Mk8 MM & Mini MK8 MM).



### O<sub>2</sub> interface setup

The default configuration for inputs 1, 2, 3 and output 1 is 4-20mA, (0-10vdc can also be used).

Analogue Input 1 – O<sub>2</sub> Signal Input

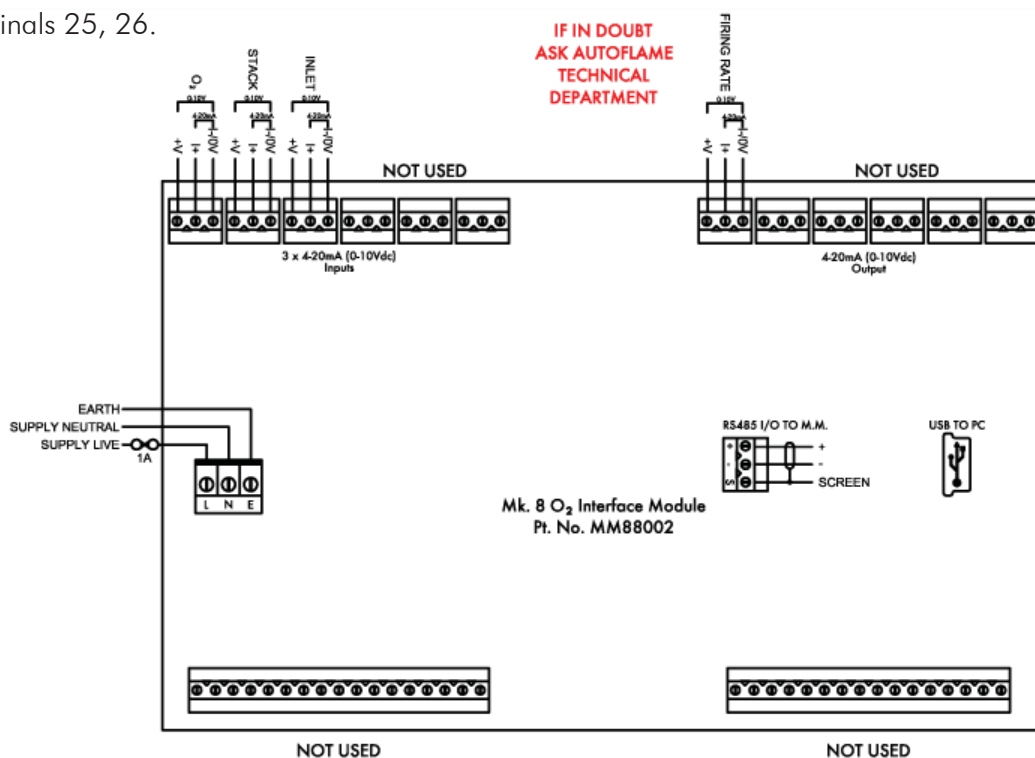
Analogue Input 2 – Stack Temperature Input

Analogue Input 3 – Inlet Temperature Input

Analogue Output 1 – Firing Rate Output

### RS485 I/O TO M.M.

This is the data link from the Interface to the Mk8 MM. Beldon 9501 cable should be used for this connection to Terminals 25, 26.



## Configuration is via USB

The interface window appears as follows:

The screenshot shows the 'O2 Interface Configurator v1.02' window. At the top, there are buttons for 'Connect', 'Get Config from Device', 'Save Config to Device', and 'Disconnect'. Below these is the 'Device Information' section, showing 'Autoflame O2 Interface, Software Version 1.01'. The 'Error Status' section shows 'No Errors' with a 'Refresh' button. The 'Configuration' section is divided into several panels: 'O2' with 'Input Mode (Analogue Input 1)' set to '4-20mA input' and a note '0% at 4mA, 20.9% at 20mA'; 'CO2' with four fuel maximum CO2 values (Fuel 1: 11.80%, Fuel 2: 15.00%, Fuel 3: 15.00%, Fuel 4: 11.80%); 'Efficiency Calculation' with 'Efficiency Calculation Type' set to 'English'; 'Temperature Units' set to 'Celsius'; 'Stack Temperature' with 'Input Mode (Analogue Input 2)' set to 'Default Value' and 'Default Temperature (°C)' set to '204'; 'Inlet Temperature' with 'Input Mode (Analogue Input 3)' set to 'Default Value' and 'Default Temperature (°C)' set to '15'; and 'Analogue Output' with 'Firing Rate Analogue Output Mode' set to '4-20mA'.

## Mk8 Setup

The Mk8 O2 interface uses the same configuration setup as though a Mk8 EGA is optioned. Parameter 60 is no longer used for optioning an O2 interface. Set Parameter 10 to MK8, with Option 12 setup for how the O2 interface is to be used;

monitoring, trim or trim with limits.

Option 13 is set for when the alarms are active and if the burner runs on the EGA error.

If Option 12 is set to 3 (combustion limits tested), options 19-26 are to be set accordingly.

Note: Option 21 is not used with an O2 interface.

### Online Changes

Options

Parameters

## Option 12

### EGA Functionality

#### 0. Not optioned

0. Not optioned

1. Monitoring only

2. Applies trim

3. Applies trim, combustion limits tested

Default

Monday, 13 July 2015 03:56:41



## Mk8 O2 Interface Dimensions

All dimensions in mm, unit is provided with slotted din rail.

