

#### Enter Serial Nos. here

DECK 1

DECK 2 DECK 3

DECK 4

FAN (IF FITTED)

DECK 5

In the event of an enquiry please quote these serial numbers.



## **OPERATION AND MAINTENANCE MANUAL**

# **MODULAR DECK OVEN**

Colour control version



# **DECLARATION OF CONFORMITY**

We hereby declare that this machine complies with the essential health and safety requirements of :-

- The Machinery Directive 2006 / 42 / EC
- The Low voltage Directive 2014 / 35/ EC
- The requirements of the Electromagnetic Compatibility Directive 2004 / 108EC, 91 / 263 / EEC, 92 / 31 / EEC Incorporating standards EN55014-1:2006+A1:2009+A2:2011 EN55014-2:1997+A1:2001+A2:2008
- The General Safety of Machinery and food processing Standards applicable
- Materials and Articles intended to come into contact with food Regulation (EC) No. 1935 / 2004

Signed	CHas Vhous
	G.A.Williams – Quality Manager
Date	
Machine FG Code.	Machine Serial No.

A technical construction file for this machine is retained at the following address:

#### **MONO EQUIPMENT**

Queensway, Swansea West Industrial Park, Swansea SA5 4EB UK

**MONO EQUIPMENT** is a business name of **AFE GROUP Ltd**Registered in England No.3872673 VAT registration No.923428136

Registered office: Unit 9, Bryggen Road,
North Lynn Industrial Estate,
Kings Lynn,
Norfolk,
PE30 2HZ

# TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK DO NOT REMOVE COVERS (OR BACK) NO USER SERVICEABLE PARTS INSIDE REPAIR SHOULD BE DONE BY AUTHORISED PERSONNEL ONLY

Failure to adhere to the cleaning and maintenance instructions detailed in this booklet could affect the warranty of this machine.

The oven should only be used for baking bread, pastries and cakes (for other products please contact your oven supplier)

#### **CONTENTS**

TIUS SESTION IS	FOR ENGINEERS ONLY AND THE SHOTOMER
Section - 10.0	Operating Instructions
Section - 9.0	Principles Of Operation (and baking advice)
Section - 8.0	Operating Conditions
Section - 7.0	Cleaning
Section - 6.0	Isolation
Section - 5.0	Installation
Section - 4.0	Safety
Section - 3.0	Specifications
Section - 2.0	Overall Dimensions
Section - 1.0	Introduction

# THIS SECTION IS FOR ENGINEERS ONLY AND THE CUSTOMER SHOULD NOT ATTEMPT TO MAKE ALTERATIONS.

Section - 11.0	Set up and Diagnostics menu
Section - 12.0	Troubleshooting
Section - 13.0	Service Information Replacing light bulbs

# Section - 14.0 Spares Information

# THIS SECTION IS FOR ENGINEERS ONLY AND THE CUSTOMER SHOULD NOT ATTEMPT TO MAKE ALTERATIONS.

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#### 1.0 INTRODUCTION

The electric modular Deck Oven is an easy to use practical, good-looking oven, giving an excellent heat recovery rate and an even bake across a wide range of bread and confectionery products.

### Good looking and totally reliable

Conceived with the no nonsense requirements of both the independent and in-store baker in mind, and designed to visually please as well as give reliable service for many years. This oven will more than satisfy the most discerning customer.

# • Top quality specification

The external and internal contact surfaces are stainless steel.

Each modular deck is fitted with durable reinforced one-piece tiles, and an increase in high-grade insulation and high temperature ceramic sealant, makes the oven more efficient.

The oven comes with a patented integral steaming system, which reduces energy consumption and the overall size of the oven (no drain required). The system produces real steam with the advantages of spray steam. Pre-steam is also available to reduce the affects of long loading times.

No drainage is required.

Supplied with an LCD screen. All programmable parameters have separate indicators for easy programming and extra bake time, if required.

An energy saving 7-day timer is also standard.

The simplified electrical circuits aid reliability with overheat protection (on controllers and oven) to ensure long life of controllers, all housed in splash-proof electrical enclosures.

The lights are low voltage, sealed from the chamber and easily accessed from outside the oven.

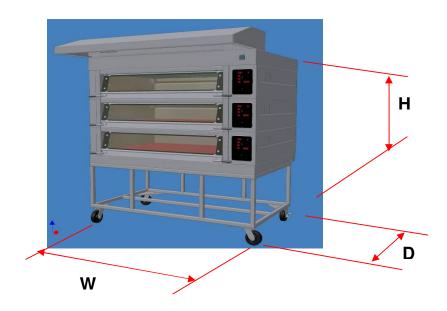
Fitted with a choice of hinged easy to clean glazed doors (using low energy-loss reflective glass for high visibility) or metal doors, means low energy consumption and the high kW rating gives good recovery.

(0-100% heating available both top and bottom)

As it is our policy to improve our machines continuously, we reserve the right to change specifications without prior notice.

# 2.0 OVERALL DIMENSIONS

ALL DIMENSIONS ARE APPROXIMATE



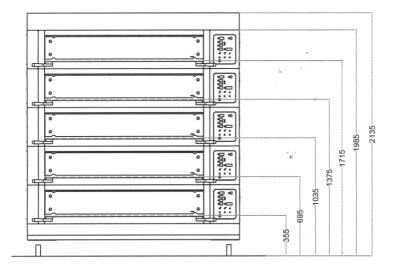
- 5 DECK oven ...... **H** = 2135mm
- 4 DECK oven ...... **H** = 2020mm
- 3 DECK oven ...... **H** = 2020mm

Ovens available with 1,2,3, 4, and 5 modules

812mm deep modules .....  $\mathbf{D} = 1300$ mm

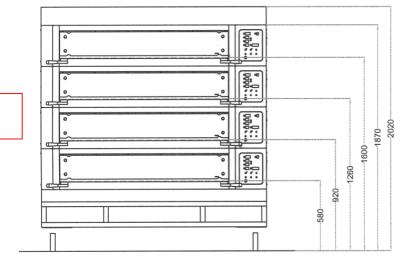
- 3 Tray wide oven ...... W = 1890mm
- 2 Tray wide oven ...... **W** = 1416mm
- 1 Tray wide oven ...... **W** = 940mm

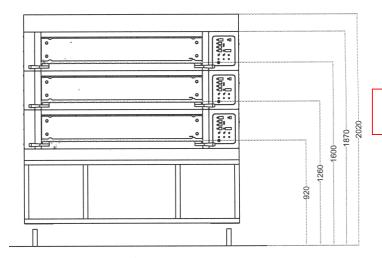
# 3.0 SPECIFICATIONS



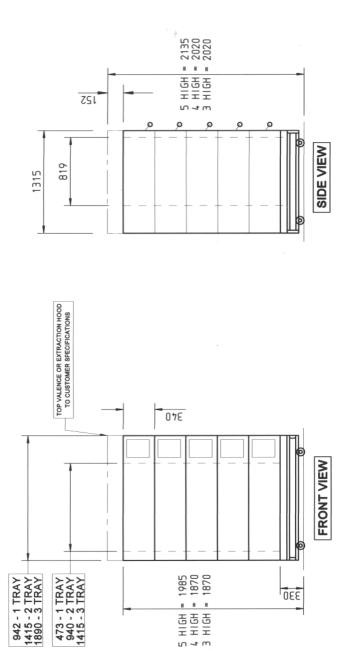
5 DECK OVEN DECK PLATE HEIGHTS







3 DECK OVEN DECK PLATE HEIGHTS



OR WEIGHTS SEE SPECIF	UMENSIONS IN MILLIMETRES OR WEIGHTS SEE SPECIFICATION NOTES	JTES	Š.	No. OF TRAYS (per deck)	RAYS	_
NOMINAL TRAY WIDTH	EXTERNAL AREA	INTERNAL SURFACE AREA	E18 x 609	90≯ × 609	297 x 78₽	099 x √3₽
3 tray	2.48Mtr	1.16Mtr <sup>2</sup>	7	ო	3	က
2 tray	1.85Mtr	0.77Mtr <sup>2</sup>	-	2	2	7
1 tray	1.24Mtr	0.39Mtr	-	-	1	-

MONO MODULAR DECK OVEN

# **ELECTRICAL LOADINGS:**

#### • SUPPLY REQUIRED PER MODULAR DECK:

	3 TRAY WIDE	2 TRAY WIDE	1 TRAY WIDE
3 Phase N + Earth, 400V. 50Hz	9.0kW, 13Amp	6.0kW, 9Amp	3.0kW, 5Amp

NOISE LEVEL: Less than 80 Db

#### 4.0 SAFETY

All maintenance must be made with the oven disconnected from the power supply and then only by fully trained authorized persons.

- Check all cover panels, and any pipefittings are securely positioned.
- Check oven door handles are not damaged.
- Do not operate a deck's steaming system with oven door open.
- Always use oven gloves when loading or unloading the oven.
- When products are removed from the oven, ensure:
- (a) Tins are knocked out and stored directly onto a tin storage trolley or rack (Do not leave hot tins on the floor or on tables).
- (b) Trays are put into a rack and the rack is wheeled to a safe cooling area.
- Do not store items on top of the oven.
- Do not store items behind the oven.
- Beware of hot surfaces. Do not touch oven front or door with bare skin.
- All operatives must be fully trained
- People undergoing training must be under direct supervision
- The oven should only be used for baking bread, pastries and cakes (for other products please contact your oven supplier)
- No unauthorized modifications should be made to the oven.
- Do not walk on the roof of the oven
- DISPOSAL

Care should be taken when the oven comes to the end of its working life. All parts should be disposed of in the appropriate place, either recycling or other means as the law permits at the time.

NOTE: BAKERY STAFF MUST NOT UNDER ANY CIRCUMSTANCES REMOVE PANELS TO ACCESS ANY PART OF THE DECK OVEN.

Panels should only be removed by a Mono maintenance engineer (or other fully trained maintenance contractor) for repairs or maintenance, after isolating oven from power supply.

The Bakery Manager or the Bakery Supervisor must carry out the above daily safety checks

#### 5.0 INSTALLATION

#### **GENERAL**

- A hard smooth level floor is recommended on which to position the oven and access for maintenance should be considered.
   The oven is not designed to be "built in" so sufficient clearance <u>must</u> be left in front of the access panels (right hand side) to allow for servicing.
- If not chosen as an oven option, it is recommended that an extraction hood be placed above the oven to disperse excess steam and heat, which could have an adverse effect on the bakery ceiling and ambient temperature.
- A wall isolator **must** be available in order to completely isolate the oven.

  THIS ISOLATOR MUST BE CLEARLY ACCESSIBLE TO THE OVEN OPERATOR
  - A chain retainer should be fitted, that is shorter than the power cables, to protect them from strain if the oven is moved. (Fit to the wall or floor and the base, using hole provided in castor fixing corner plates).
  - Installation must be made by a trained authorized engineer and all utilities must conform to all local regulations.
  - The oven must be "run in" as stated in the initial start up instructions.

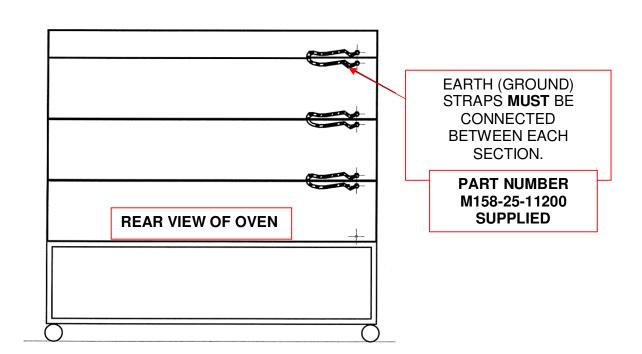
#### **ELECTRICAL CONNECTIONS**

SUPPLY REQUIRED PER MODULAR DECK:

(One main connection point for all deck supplies at top of oven)

	3 TRAY WIDE	2 TRAY WIDE	1 TRAY WIDE
3 Phase N + Earth, 400V. 50Hz	9.0kW, 13Amp	6.0kW, 9Amp	3.0kW, 5Amp

# **IMPORTANT OPERATION**



## **WATER SUPPLY REQUIREMENTS**

# The set up procedure on the next page must be followed to allow the steaming system to function correctly

- All ovens with steam require a ¾" BSP hot or cold water supply at a pressure of 2 - 3 bar (29 – 44 psi).
- Only one water supply is required per oven. This should comply with local water regulations.
- A manifold supplies all decks from one connection point.
- For proper operation of the steam system it is recommended that the water supply follows the following specifications:

**Hardness** 0-4 grains per gallon

**PH range** 7.0 to 8.5

**Chloride** concentration 0 –20 ppm

Consult Mono for proper water filtration system information.

- No drain is required for this oven.
- A non-return check-valve is supplied fitted to the water inlet manifold.

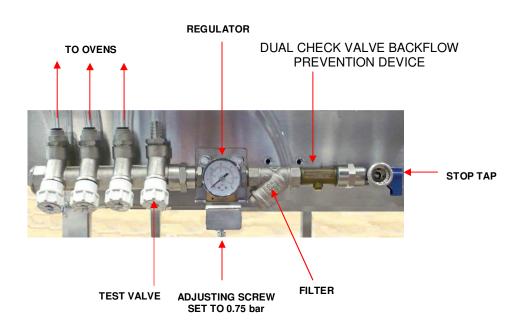
#### WATER SYSTEM SETUP PROCEDURE

It is imperative that the water delivery to the deck oven is checked for the steam system to operate correctly

- 1. Flush out the main feed pipe to be used, until water runs clear and free from debris.
- 2. Connect main feed to oven.
- 3. Connect flexible hoses to each deck.
- 4. Place a container under the test valve.
- **5.** Slowly open test valve fully and with the water flowing check the regulator is set to 0.75 bar. If not adjust using the screw above the valve.
  - Never use the oven above this setting
- **6.** When the pressure has stabilised shut the test valve.

REPEAT 4,5 AND 6 AT THE END OF INSTALLATION.

**NOTE.** DYNAMIC PRESSURE, NOT STATIC, IS BEING MEASURED.

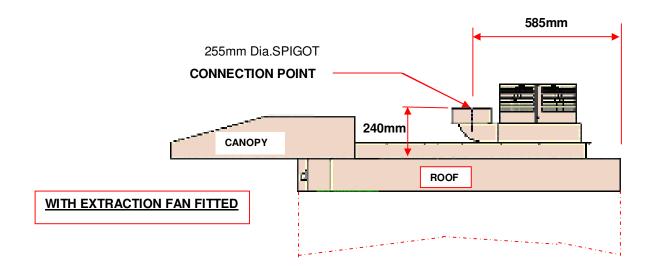


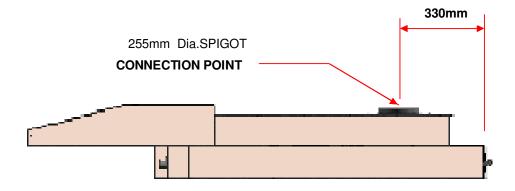
#### **WATER REGULATOR SET UP**

LOCATED ON REAR OF OVEN

# **Exhaust Connections** (IF CANOPY FITTED)

- Ideally an exhaust duct should rise 2 metres above the bakery roof protected from wind and birds by a duct protector.
- It should be of a suitable material to take the high temperatures and humidity expected.
- It should be flexible and easily removable at the oven connection point. This allows the oven to be moved for cleaning when required.





**WITHOUT EXTRACTION FAN FITTED** 

## **INITIAL START UP**

# THIS PROCEDURE MUST BE ADHERED TO FOR THE OVEN WARRANTY TO BE VALID.

In order for the oven to give good reliable service the deck tiles must be initially brought up to temperature as stated below.

After this running in period the oven can be used as required.

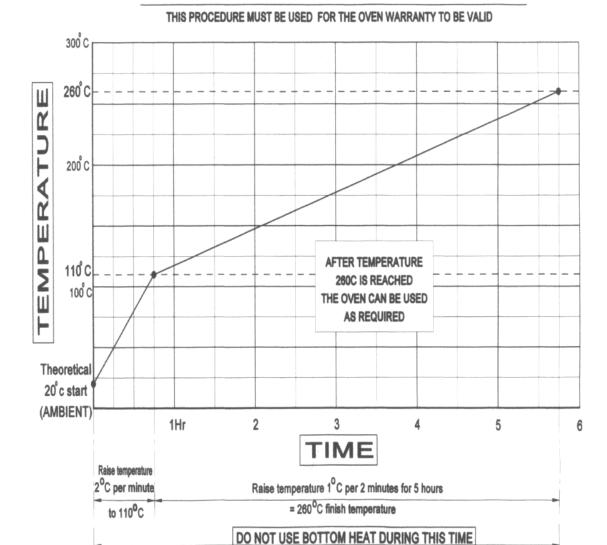
#### Running in procedure

- 1. Turn the oven on and note the temperature shown.

  (This will be the temperature inside the cooking chamber)
- 2. The temperature needs to rise to 110deg C, at no more than 2deg a minute.

  DO NOT USE BOTTOM HEAT AT ANY TIME.
- 3. Take the temperature up to 260deg C, at no more than 1deg in 2 minutes. THIS WILL TAKE 5 HOURS.

#### BAKING TILES -- INSTRUCTIONS FOR FIRST TIME USE



#### **WARNING**

THE "POWER OFF" BUTTON ON THE FRONT OF THE OVEN DOES NOT ISOLATE THE POWER SUPPLY.

A WALL ISOLATOR MUST BE AVAILABLE IN ORDER TO COMPLETELY ISOLATE THE OVEN.

THIS ISOLATOR MUST BE CLEARLY ACCESSIBLE AND KNOWN TO THE OVEN OPERATOR

# TO STOP THE OVEN IN AN EMERGENCY SWITCH OFF AT THE MAIN WALL ISOLATOR

# 7.0 CLEANING

# **DAILY CLEANING INSTRUCTIONS**

#### ISOLATE OVEN FROM MAINS SUPPLY BEFORE CLEANING.

- After the oven has been allowed to cool, (this could take several hours), sweep any debris out.
   Use a vacuum cleaner with metal attachments (able to take heat) if available.
- Brush down and wipe oven front, back and sides with a damp cloth.
- Spot clean with a damp cloth, which has been soaked in a solution of mild detergent, and hot water, paying particular attention to ensure excess water is not applied around the area of the electrical panels.

NOTE: TAKE CARE WATER DOES NOT ENTER CONTROL PANEL MOUNTING OR ROOF MOUNTED FAN.

# **WEEKLY CLEANING INSTRUCTIONS**

#### ISOLATE OVEN FROM MAINS SUPPLY BEFORE CLEANING.

- Complete daily cleaning as above.
- Scrub oven wheels with a mild detergent and hot water using nylon cleaning brush (excess water will rust metal).
- Ensure the oven roof area is clear of debris and dust build up.
   (DO NOT STAND ON THE OVEN ROOF)

#### 8.0 OPERATING CONDITIONS

- It is recommended that a space of at least 6 feet be left in front of the oven for ease of operation and safety.
- Bakery utensils must not be used to operate the control panel buttons.

#### 9.0 PRINCIPLE OF OPERATION

**NOTE**: REFER TO YOUR OWN COMPANY'S RECIPE MANUAL FOR OVEN TEMPERATURE SETTINGS.

PLEASE ALSO REFER TO THE BAKING ADVICE ON THE NEXT PAGE

Products are baked in an insulated heated chamber.

The **temperature** is regulated by a thermocouple having an LCD read-out on the front control panel.

Baking heat is radiant with top and bottom heat being adjusted by means of separate controls. This enables heat to be "balanced" according to product requirement.

**STEAM** is provided from an integral steam unit, and is introduced into the chamber on demand. This is automatically controlled by the programmed parameters.

Once steamed the oven will not steam again until the steam unit has recovered heat, typically 3-8 minutes depending on the amount of steam selected.

All ovens are fitted with a **steam damper** that evacuates steam humidity into a vent at the side of the oven.

# Baking Advice For the best results from deck Ovens

#### Loading

- 1. Do not place the products too close together. If the loaves are close to each other after oven spring (expansion), the loaves sides will be soft and may collapse on cooling.
- 2. Place the product evenly within the oven. Product bunched together will be paler than those widely spaced.
- 3. Product should not be placed too close to the edge of the tile. As it expands towards the front one side of the loaf may enter the cooler air by the door.
- 4. Door opening should be kept to a minimum because cold air enters the oven cooling the sidewalls and roof causing the finished product to be lighter locally at the front and wasting heat. If loading times are consistently long you can alter the front top heat to put more heat at the front.
- 5. If the loading takes a long time product can form a skin, which causes an imbalance and a less attractive finish. By using the pre-steam function before loading this can be minimised. This function turns the elements off and injects steam to increase the humidity.

### **Bake settings**

- 1. A good starting point for baking breads in Mono deck ovens is **225C** (437F)

  Top heat 60-65 bottom heat 40.
- 2. For cookies etc, the heat in the oven can be turned almost off, however it may still be necessary to place the trays with cookies etc onto upturned trays on the oven sole.
- 3. **Steam** should be kept to a minimum, for energy efficiency, depending on the product and finish. **Times between 9 and 12 seconds should be adequate**.
- 4. It is a good idea not to focus on the temperature recovery this can vary from oven to oven.

## Is the product baked in the time and to the quality you require?

Below are some tips for modifying the bake so you get the product that you require.

#### • If your product is **light on top**.

Either decrease the bottom heat and extend bake time or increase the top heat.

#### If the product sides are pale and the top dark.

When the products are spaced well apart drop the top heat and extend the bake.

#### • If the bake time is too long.

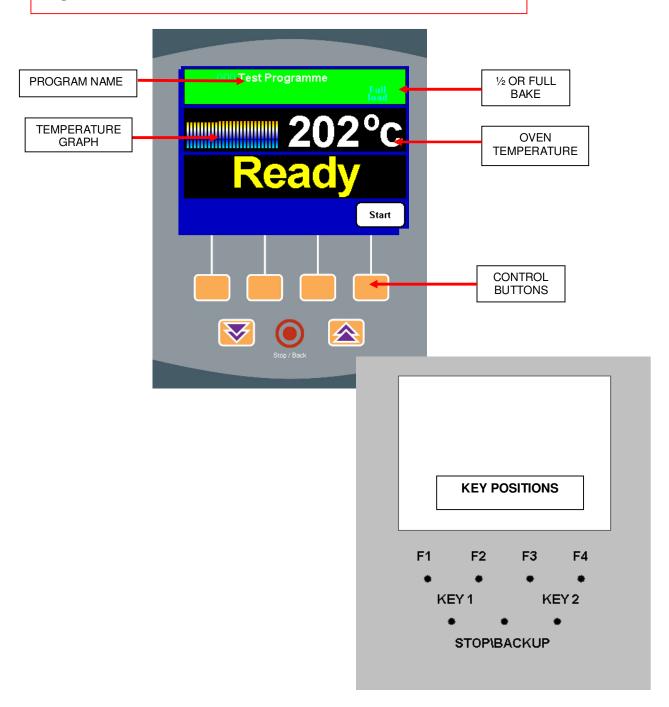
First increase the top heat to speed recovery. If this does not give sufficient savings increase the bake temperature.

#### • To thicken the crust

Set the damper to open longer. Different ovens will require different lengths of time.

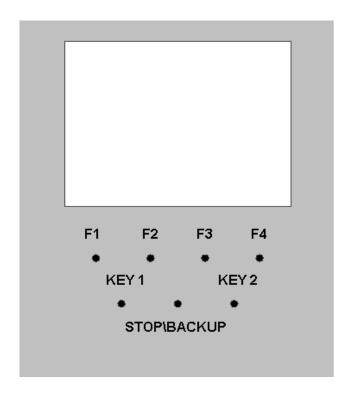
# **10.0 OPERATING INSTRUCTIONS**

RECALLING SET PROGRAMS NEW PRODUCT PROGRAM ENTRY SEVEN-DAY TIMER



# **Control Panel**

(TO BE USED IN CONJUNCTION WITH THE FOLLOWING PAGES)



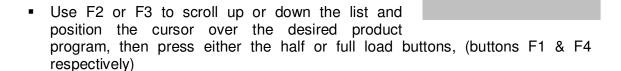
#### **GENERAL LAYOUT OF CONTROLLER BUTTONS**

- Above shows the general layout of the controller keyboard.
- The top row of buttons labelled F1, F2, F3 & F4 can have a number of uses.
- The function of the buttons will depend on the screen the operator chooses, but not all of the function buttons are active in every screen.

  If a button is active it will have a symbol displayed above it on screen. For ease of use, the symbols will indicate the operation they represent.
- The buttons marked KEY1 & KEY2 are used to alter set values.
- The final button is the stop or backup button. It can be used, for example, to stop
  a bake if needed or go back through screens. All these operations will be
  explained further in the section.

#### • RECALLING SET PROGRAMS

- Turn on power at main isolator.
- Initially the oven will be in the off state with "select product" above F4..
- To display the available programs press button F4.



F2

STOP\BACKUP

**TIP:** To speed up the selection process use the quick scroll buttons key1 & key2., this moves the programs up or down 10 positions at a time.

- The screen will display the current oven temperature, the selected program number and the word "HEATING" displayed in large letters, along with notification of either half or full bake depending on previous choice.
- When the oven has reached the temperature specified in the product program the screen will display, in large letters, the word "**READY**"



- Place the product in the baking chamber, close door and press the start button (F4).
- At the end of bake time, the buzzer will sound.
   Press stop (o) and remove the product. Shut the door to conserve heat.

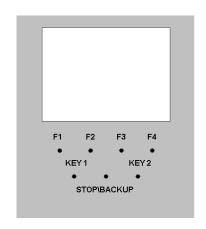
press key F4 to increase bake by 2 minutes (press stop at any time to stop bake)

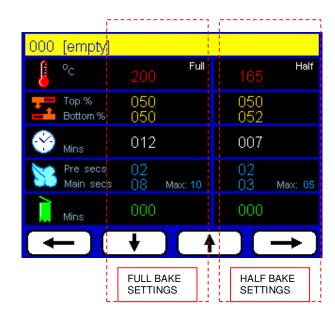
**TIP:** If you wish to cancel the bake, press the stop\backup button.

<u>OR</u>

#### **NEW PRODUCT PROGRAM ENTRY**

- Turn on power at main isolator.
- Press the edit program button F2.
- Enter the password (default 111111)
- Select an empty position by scrolling with the up\down arrows KEYS F2 & F3.
- Press the edit product button F1 again





Use the direction arrow buttons KEYS F1 to F4 to select a field.
 Adjust the values in singular units up or down (buttons Key 1 & Key 2 respectively)

**NOTE**: The left hand column contains values relating to a full bake, while the right hand column relates to half bake.

- Next a name needs to be entered for the program; Press F4 until the title area is highlighted. This will enable the title screen for editing. Use the up\down buttons K1 and K2 to select the required character. Once selected scroll across using button F4 to the next empty character field. Repeat process for extra characters. If amendments are required, scroll in the opposite direction-using button F1 and
- Once completed press the **stop\backup** button twice to return to the home screen

correct by using the **up\down** arrows.

#### **SEVEN-DAY TIMER**

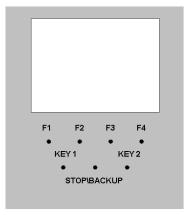
The controller can be programmed to switch the oven deck on and off at preset times, automatically any day of the week.

#### **SETTING THE SEVEN DAY TIMER**

- With the main supply on, press the button F3.
- To adjust the day pressing back (F1) until the day changes to the one required.
  - Press next to highlight the "on" hour to be set and use the key1 or key2 to adjust . Press next and highlight the "on" minutes to be set and use key1 and key2 to adjust
- If necessary, a finish time can be entered by scrolling to the required day, again using up\down arrow buttons and adjusting the time as mentioned previously.
- Once the required times have been set press the stop\backup button. This will
  then return you to the home screen. This is the state the screen should be left in
  to allow the seven-day timer to operate. (Oven power on, nothing selected)

The timer can be disabled by entering 00:00 in the time field.

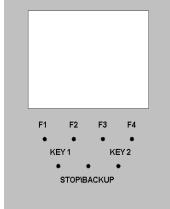
**NOTE**: The seven-day timer will not work properly unless the correct time and date have been entered previously. (Engineers set-up).



# ENGINEERS USE ONLY DO NOT ATTEMPT TO MAKE ADJUSTMENTS UNLESS YOU ARE FULLY AWARE OF THE RESULTS

# 11.0 SET-UP & DIAGNOSTIC MENU

#### 11.0 SET-UP & DIAGNOSTIC MENU

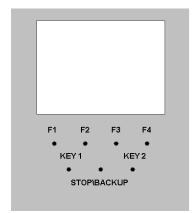


- Turn on power at main isolator.
   Initially the oven will be in the off state with "select product" above F4
- Press the button **F1**.
- Enter the six digit engineers password (default 222222)



Push F3 to go down to the item that requires changing. (F3 to go back up list)
Use key1 or key2 to adjust the setting.

Press ok (F1) to go out of the setting screen or next (F4) to go to the next screen.



# **GAINS MENU**

• These are factory set gains, any values other than that shown below will seriously affect the performance of the oven.

Top Gain- 50

Low Gain- 50

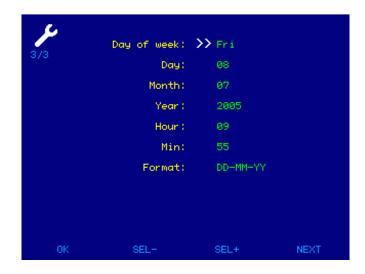
Mono Constant- 210

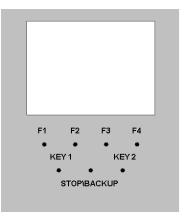


DO NOT CHANGE THESE SETTINGS UNLESS INSTRUCTED TO DO SO BY "MONO"

Press next (F4) or ok (F1) to exit.

## **SETTING CURRENT TIME AND DATE**





- Use the up\down arrow buttons F2 & F3 to scroll through the fields.
- With the desired field highlighted use the buttons represented by the arrow symbols KEY1 & KEY2 to alter the value.

When the time and date are correct, press ok (F1) or next (F4) to go to the next screen.

#### **PASSWORDS**

EDITING DEFAULT 111111

SET-UP DEFAULT 222222

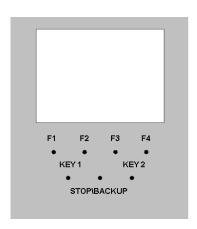
The passwords can be changed by highlighting the digit to change and changing it with the arrow keys 1 & 2.

press DIAGS (F4) to go on to the next screen.

## **DIAGNOSTICS**

Here items can be tested for correct operation.





Use F2 or F3 to highlight the item to be tested.

Use Key 1 or key2 to enter the length of test in seconds.

When ready to test, press start (F4) and test will commence.

Press Stop when tests are completed and oven will revert back to start screen.

#### **SERIAL COMMUNICATIONS**

Although the oven is capable of upload and download of information, this has not yet been implemented

#### 12.0 TROUBLESHOOTING

#### NONE OF THE DECKS SWITCHED ON.

- Is main oven power on?
- Check if bakery main power supply time clock is working (if fitted).
- Is 7-day timer clock set correctly to bring oven on at required time?

#### ONE DECK HAS NOT SWITCHED ON.

• Check if individual deck timer is set to bring it on at required time.

#### UNEVEN OR PATCHY BAKE

- Door is being opened too often or too long whilst loading. (front pale, back burnt).
- Faulty element.
- All top or bottom deck elements not functioning.
- Uneven loading.
- No supply voltage across a phase.

#### TEMPERATURE GOING WELL OVER SET TEMPERATURE

When empty the temperature of a deck oven can exceed the set baking temperature. This overheat is marginal when the deck is full of product. If the elements are continuing to work after the set temperature has been reached call Mono service. (Please allow up to 15deg.C difference before diagnosing a fault condition),

#### POOR RECOVERY OF SET TEMPERATURE WHEN LOADED

- The doors may have been left open too long during loading, allowing heat to escape.
- The damper may have been left open during loading or baking allowing heat to escape.
- Top and/or bottom heat may not be working or set at a low value.
- No supply voltage across a phase.

#### STEAM SYSTEM NOT OPERATING CORRECTLY

Check that the water supply is connected and the tap to each deck is in the on position. If there is still a problem, Contact Mono.

#### 13.0 SERVICE

If a fault arises, please do not hesitate to contact the Customer Service Department, quoting the **machine serial number** on the silver information plate of the machine and on the front cover of this manual

**MONO** 

Queensway Swansea West Industrial Estate Swansea. SA5 4EB UK

email:spares@monoequip.com Spares Tel. +44(0)1792 564039

Web site:www.monoequip.com Main Tel. +44(0)1792 561234

Fax. 01792 561016

FG257 UK colour MODULAR DECK Rev A18 15-01-18

# LIGHT REPLACEMENT

#### DISCONNECT FROM POWER SUPPLY BEFORE REPLACING LIGHT BULBS

24v 20w LAMP PART NUMBER ... B855-94-008





SLIDE FITTING OUT



REMOVE LIGHT FROM HOLDING SLOT AND UNCLIP FROM CABLE



REPLACE LIGHT AND REFIT ALL PARTS

RECONNECT POWER SUPPLY AND TEST

4

2

3



# **14.0 SPARES INFORMATION**

#### **OVEN SPARES**

FROSTED GLASS	
PLAIN GLASS	
DOOR BUMPER STOP	
3 ACROSS 2 ACROSS 1 ACROSS	M257-02-00046 M257-02-00047 M257-02-00048
S S	M257-03-00005 M257-03-00009
BLACK DOOR HANDLE	
DOOR SPRING	
WIRE ROPE	
SPRING RETAINING PIN	
PULLEY PULLEY SPINDLE	
DAMPER DRIVE COUPLING	
ELEMENT GASKET	
24 v 20w DICHROIC LAMP	
	R STOP  3 ACROSS 2 ACROSS 1 ACROSS S HANDLE S INING PIN DLE E COUPLING SKET

### **ELEMENT SPARES**

3 ACROSS

TOP HEAT ELEMENT 1.0kW B854-04-093
TOP HEAT ELEMENT 0.6kW B854-04-091
BOTTOM HEAT ELEMENT 0.75kW B854-04-092

2 ACROSS

TOP HEAT ELEMENT 0.65kW B854-04-102 TOP HEAT ELEMENT 0.4kW B854-04-100 BOTTOM HEAT ELEMENT 0.5kW B854-04-101

1 ACROSS

TOP HEAT ELEMENT 0.325kW B854-04-111
TOP HEAT ELEMENT 0.2kW B854-04-109
BOTTOM HEAT ELEMENT 0.25kW B854-04-110



# **15.0 ELECTRICS**

## PARTS LIST FOR DRAWINGS FOLLOWING - 3 TRAY WIDE

F1 F2 F3	HEATERS MCB HEATERS MCB HEATERS MCB	B872-22-007 B872-22-007 Single phase only B872-22-007
F4 F5	CONTROL POWER SUPPLY MCB OVERHEAT THERMOSTAT	B872-22-062 B888-30-014
T1 K1 K2 YI	CONTROL CIRCUIT POWER SUPPLY TOP HEAT CONTACTOR BOTTOM HEAT CONTACTOR WATER SOLENOID (10mm pipe) WATER SOLENOID (8mm pipe)	B801-93-005 B801-08-021 B801-08-021 A900-34-349(up to May 2007) A900-34-365 (after May 2007)
H1 B1 U1 D1	INTERIOR LIGHT OVEN THERMOCOUPLE MAIN LED PRINTED CIRCUIT BOARD DAMPER SOLENOID	B855-94-008 B873-95-003 M257-25-00040 B749-83-004
R1 R2 R3 R4 R5 R6 R7	TOP HEAT ELEMENT 1.0kW TOP HEAT ELEMENT 0.6kW	B854-04-093 B854-04-091 B854-04-091 B854-04-091 B854-04-091 B854-04-091
R8 R9 R10 R11 R12 R13 R14	BOTTOM HEAT ELEMENT 0.75kW BOTTOM HEAT ELEMENT 0.6kW	B854-04-092 B854-04-091 B854-04-091 B854-04-091 B854-04-091 B854-04-091
S1	SOUNDER	B723-92-002 (ONLY COLOUR OVENS)

## PARTS LIST FOR DRAWINGS FOLLOWING - 2 TRAY WIDE

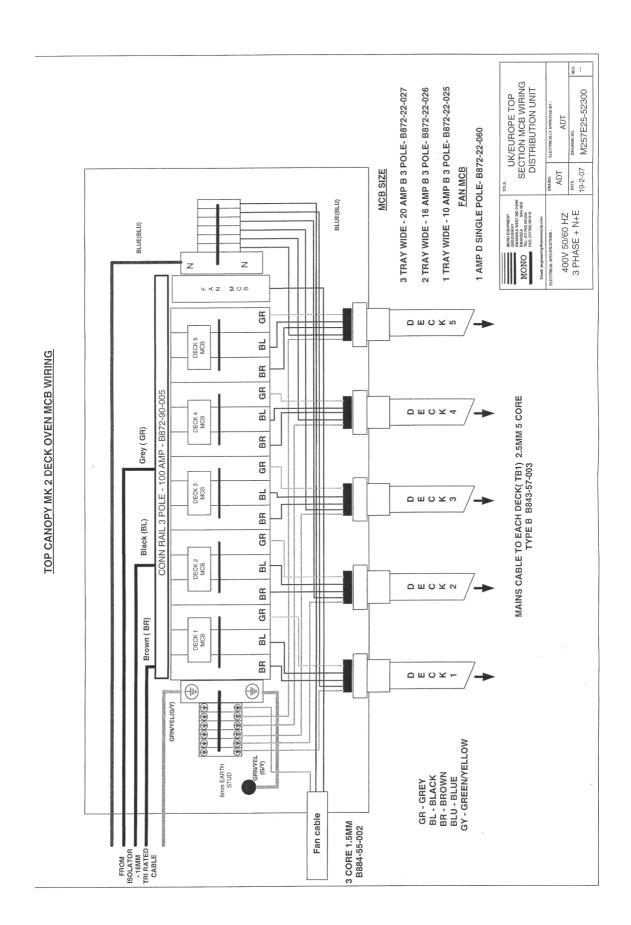
F1 F2	HEATERS MCB HEATERS MCB	B872-22-006 B872-22-006 Single phase only
F3	HEATERS MCB	B872-22-006
F4	CONTROL POWER SUPPLY MCB	B872-22-062
F5	OVERHEAT THERMOSTAT	B888-30-014
T1	CONTROL CIRCUIT POWER SUPPLY	B801-93-005
K1	TOP HEAT CONTACTOR	B801-08-021
K2	BOTTOM HEAT CONTACTOR	B801-08-021
Y1	WATER SOLENOID (10mm pipe)	A900-34-349(up to May 2007)
	WATER SOLENOID (8mm pipe)	A900-34-365 (after May 2007)
H1	INTERIOR LIGHT	B855-94-008
B1	OVEN THERMOCOUPLE	B873-95-003
U1	MAIN LED PRINTED CIRCUIT BOARD	M257-25-00040
D1	DAMPER SOLENOID	B749-83-004
R1	TOP HEAT ELEMENT 0.65kW	B854-04-102
R2	TOP HEAT ELEMENT 0.4kW	B854-04-100
R3	TOP HEAT ELEMENT 0.4kW	B854-04-100
R4	TOP HEAT ELEMENT 0.4kW	B854-04-100
R5	TOP HEAT ELEMENT 0.4kW	B854-04-100
R6	TOP HEAT ELEMENT 0.4kW	B854-04-100
R7	TOP HEAT ELEMENT 0.4kW	B854-04-100
R8	BOTTOM HEAT ELEMENT 0.5kW	B854-04-101
R9	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100
R10	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100
R11	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100
R12	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100
R13	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100
R14	BOTTOM HEAT ELEMENT 0.4kW	B854-04-100
S1	SOUNDER	B723-92-002 (ONLY COLOUR OVEN

FG257 UK colour MODULAR DECK Rev A18 15-01-18

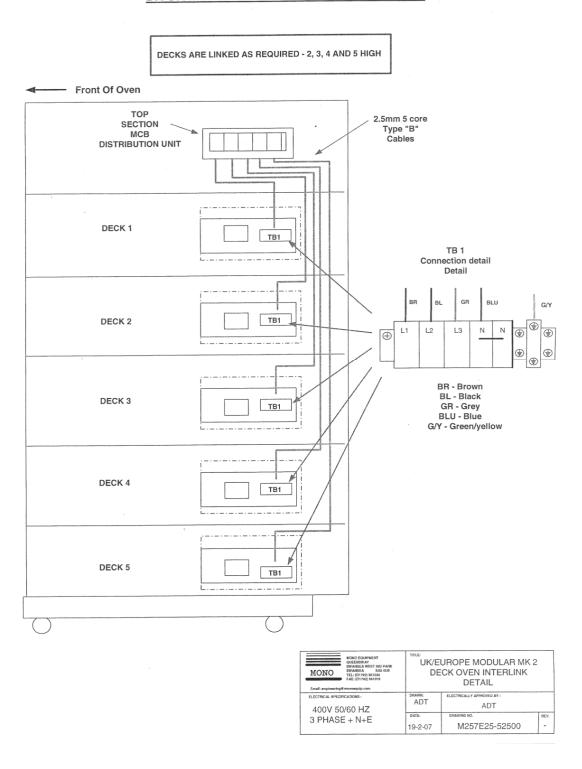
## PARTS LIST FOR DRAWINGS FOLLOWING - 1 TRAY WIDE

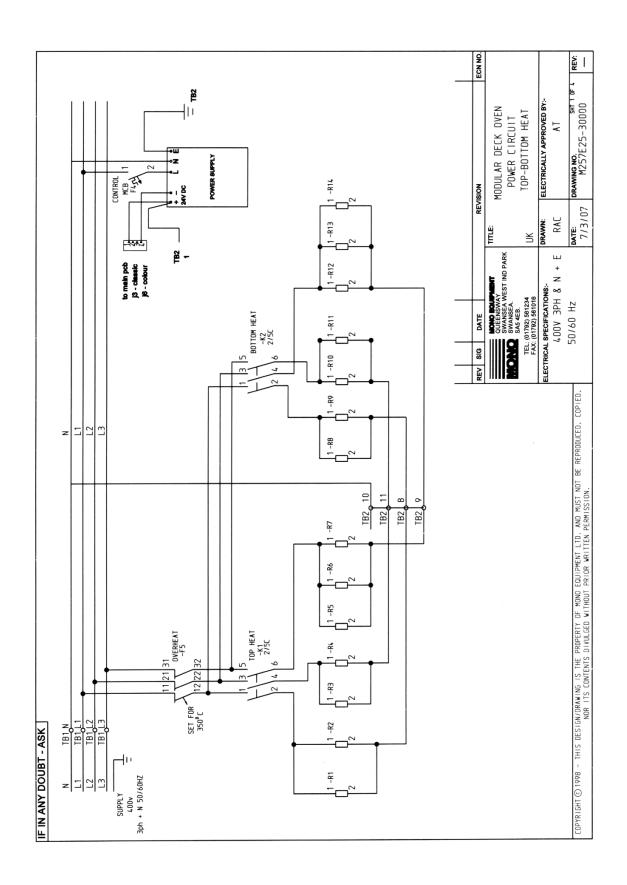
F1	HEATERS MCB	B872-22-005
F2	HEATERS MCB	B872-22-005 Single phase only
F3	HEATERS MCB	B872-22-005
F4	CONTROL POWER SUPPLY MCB	B872-22-062
F5	OVERHEAT THERMOSTAT	B888-30-014
Т4	CONTROL CIRCUIT DOWER CURRLY	D001 00 00E
T1 K1	CONTROL CIRCUIT POWER SUPPLY TOP HEAT CONTACTOR	B801-93-005 B801-08-021
K2	BOTTOM HEAT CONTACTOR	B801-08-021 B801-08-021
r∠ Y1	WATER SOLENOID (10mm pipe)	
T I	WATER SOLENOID (TOTHIT pipe) WATER SOLENOID (8mm pipe)	A900-34-349(up to May 2007) A900-34-365 (after May 2007)
H1	INTERIOR LIGHT	B855-94-008
B1	OVEN THERMOCOUPLE	B873-95-003
U1	MAIN LED PRINTED CIRCUIT BOARD	M257-25-00040
D1	DAMPER SOLENOID	B749-83-004
וט	DAMI EN SOLEMOID	D7 43-03-004
R1	TOP HEAT ELEMENT 0.35kW	B854-04-111
R2	TOP HEAT ELEMENT 0.2kW	B854-04-109
R3	TOP HEAT ELEMENT 0.2kW	B854-04-109
R4	TOP HEAT ELEMENT 0.2kW	B854-04-109
R5	TOP HEAT ELEMENT 0.2kW	B854-04-109
R6	TOP HEAT ELEMENT 0.2kW	B854-04-109
R7	TOP HEAT ELEMENT 0.2kW	B854-04-109
R8	BOTTOM HEAT ELEMENT 0.25kW	B854-04-110
R9	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109
R10	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109
R11	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109
R12	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109
R13	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109
R14	BOTTOM HEAT ELEMENT 0.2kW	B854-04-109
S1	SOUNDER	B723-92-002 (ONLY COLOUR OVEN

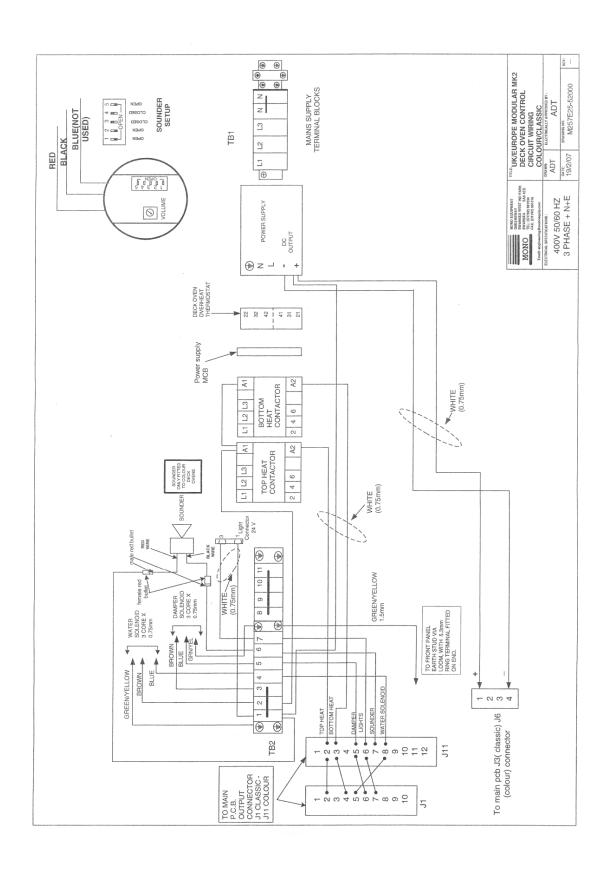
FG257 UK colour MODULAR DECK Rev A18 15-01-18

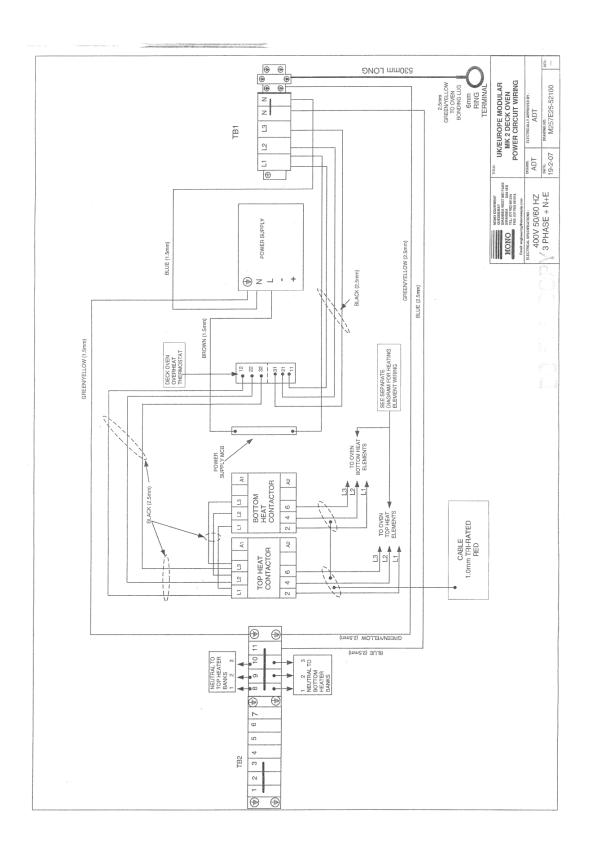


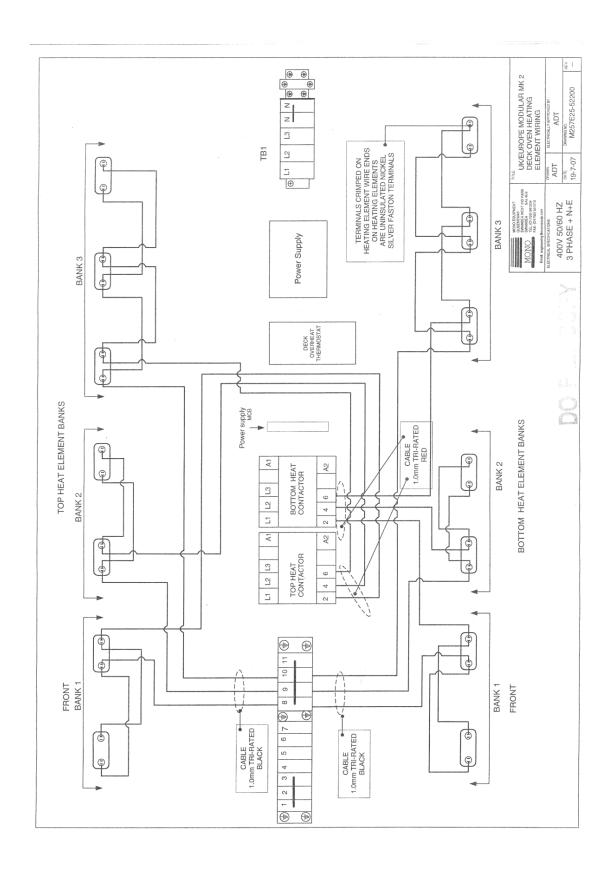
### DX UK Modular MK2 Deck Oven Interlink Detail

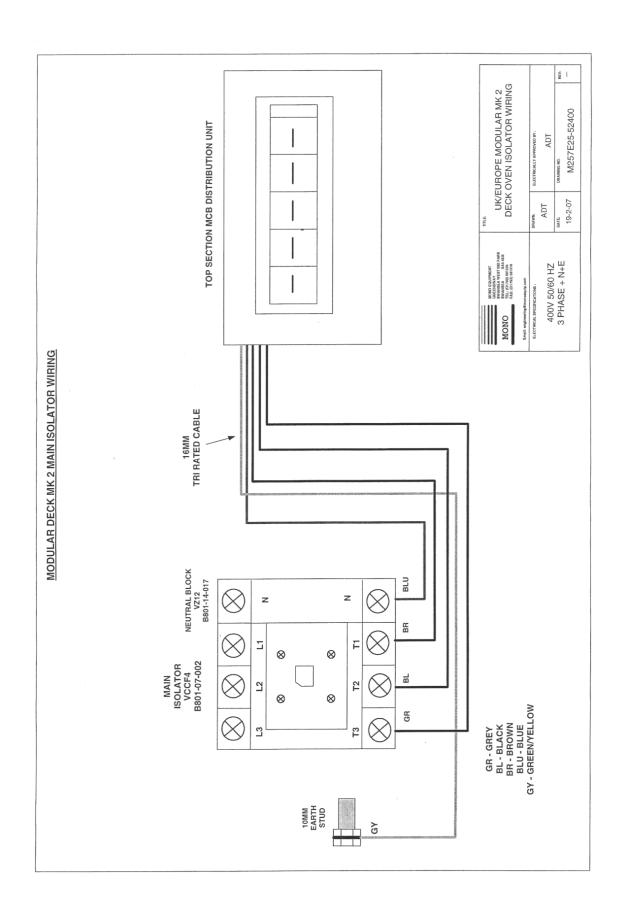


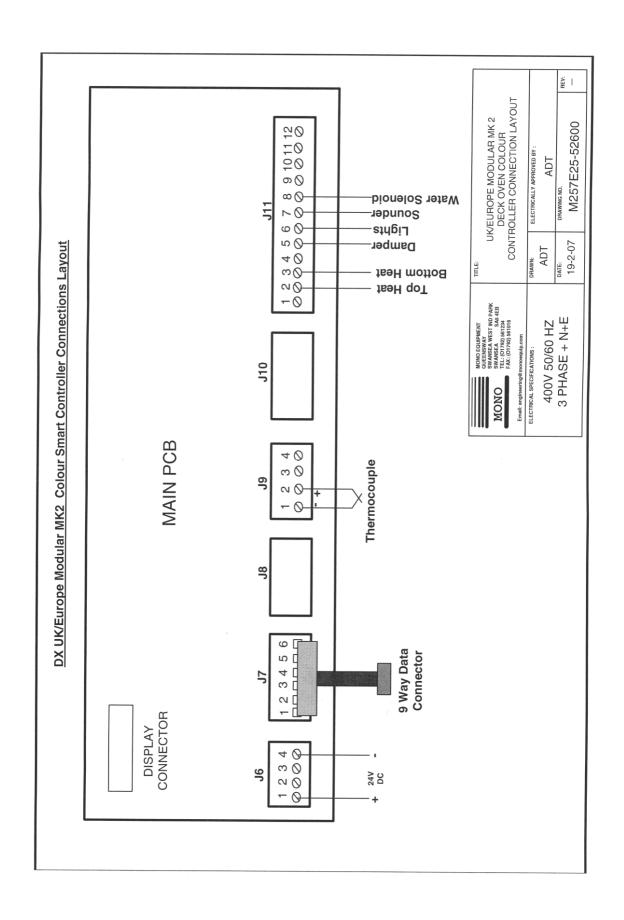




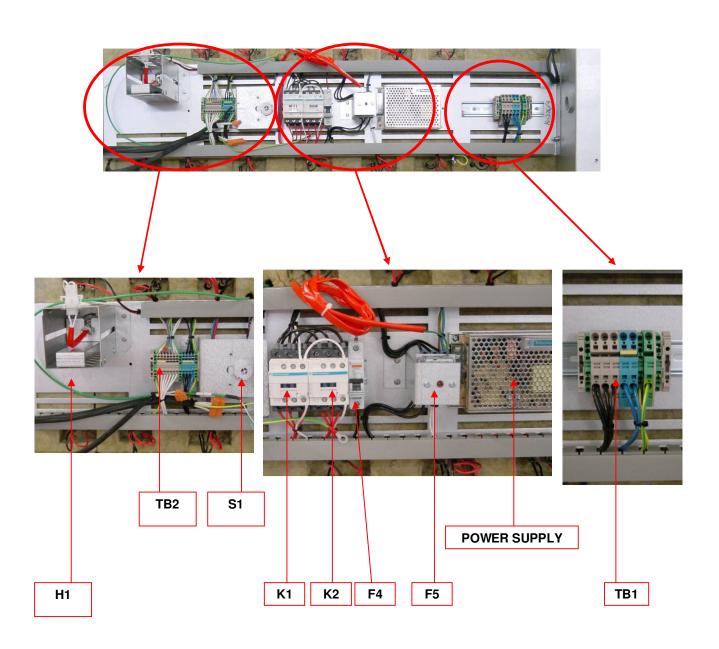








# ELECTRICAL PANEL MAIN COMPONENTS (UK Colour)



# **OVEN CANOPY LAYOUT PARTS LIST**

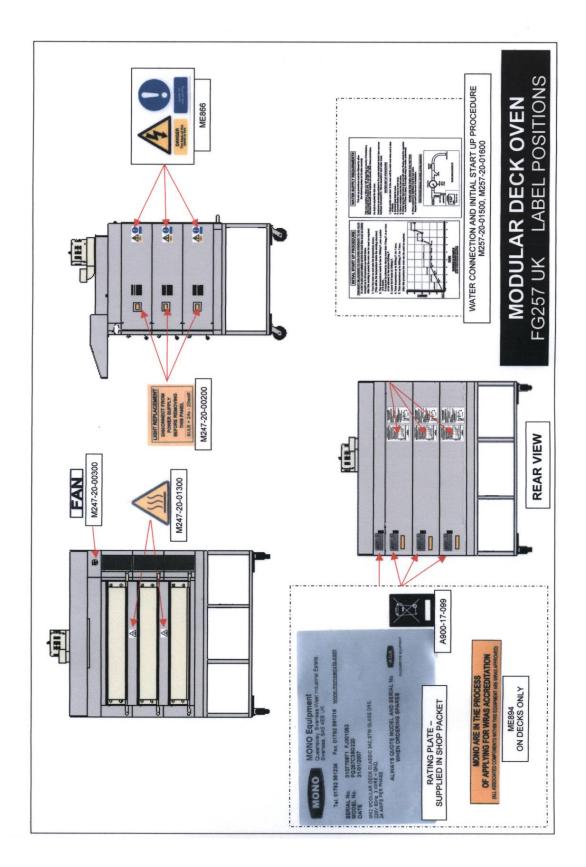
_	CANOPY FAN CAPACITOR CANOPY FAN ON/OFF SWITCH	B869-23-005 B895-07-005
M1	CANOPY FAN MOTOR	B869-75-026

CAPACITOR – 4-6uf – 400VDB – METAL B869-23-005

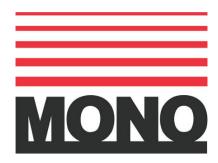
FAN TYPE R2E225-AG01-21 (230V, 0.88AMP, 200W)

B869-75-026

# 16.0 WARNING AND INFORMATION LABELS







### **MONO Equipment**

Queensway, Swansea West Industrial Park, Swansea, SA5 4EB UK
Tel. 01792 561234
Spares +44(0)1792 564039
Fax. 01792 561016

Email: mono@monoequip.com

## www.monoequip.com

As it is our policy to improve our machines continuously, we reserve the right to change specifications without prior notice.

### DISPOSAL

Care should be taken when the machine comes to the end of its working life. All parts should be disposed of in the appropriate place, either recycling or other means as the law permits at the time.