

OVEN SERIAL NO. _____

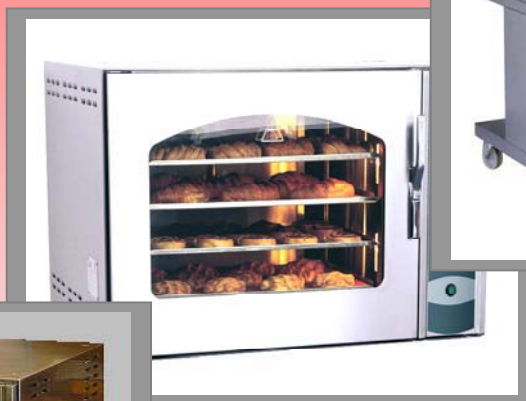
MANUAL No.Y-BX-01E

FG CODE 149 ☐ 150 ☐ 153 ☐ 156 ☐ 158 ☐ 159 ☐

CONDENSER SERIAL No. _____ (IF FITTED)

In the event of an enquiry please quote these numbers.

Store this document safely and ensure it is available at all times.
Non-availability may affect the service or repair of your machine.



Bx OVEN

SET UP AND OPERATION OF OVEN AND CONDENSER UNIT (IF FITTED)

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

CLASSIC



COLOUR

-DECLARATION OF CONFORMITY-

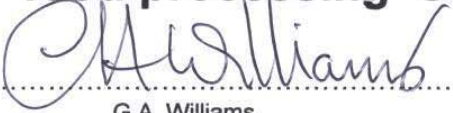
We hereby declare that this machine complies with the essential health and safety requirements of:-

The Machinery Directive 98/37/EEC

The Low voltage Directive 73/23/EEC

**The requirements of the
Electromagnetic Compatibility Directive
89/336/EEC,91/263/EEC,92/31/EEC**

**and
General Safety of Machinery and
food processing Standards applicable**

Signed:  (Quality Manager)
G.A. Williams

Date:

Machine Code FG..... 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



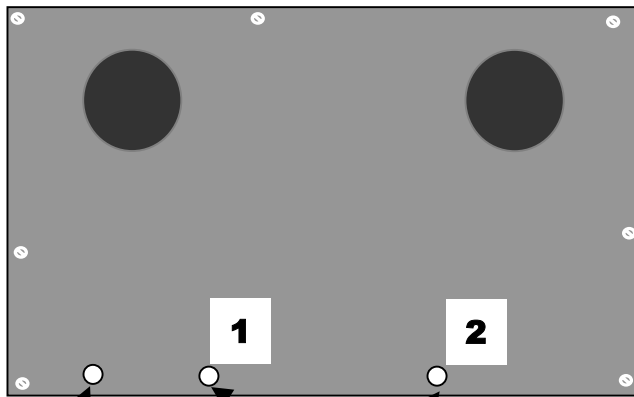
MONO EQUIPMENT IS A BUSINESS NAME OF AFE GROUP LTD

REGISTERED IN ENGLAND NO. 3872673 VAT REGISTRATION NO. PENDING REGISTERED OFFICE: Unit 35, Bryggen Road, North Lynn Industrial Estate, Kings Lynn, Norfolk, PE30 2HZ

ATTENTION

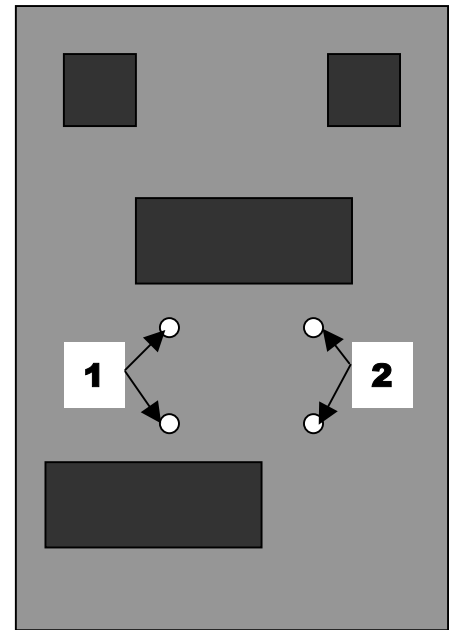
**IF OVEN FAILS TO HEAT UP WHEN FIRST CONNECTED TO
A POWER SUPPLY OR DURING USE AT ANYTIME,
PRESS RESET BUTTON(S) LOCATED INSIDE THE REAR BACK PANEL.**

REAR VIEW OF OVEN



**2 TRAY OVEN
HOLE LOCATION**

**4 TRAY OVEN
HOLE LOCATION**
HOLE CAN BE AT POSITION 1
OR POSITION 2 DEPENDING
ON OVEN



**10 TRAY OVEN
HOLE LOCATION**
HOLES CAN BE AT POSITION 1
OR POSITION 2 DEPENDING
ON OVEN

OVEN 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 BY RECYCLING OR OTHER MEANS OF DISPOSAL THAT COMPLIES WITH LOCAL REGULATIONS.

(IN UK, ENVIRONMENTAL PROTECTION ACT 1990 APPLIES)

MONO are in the process of applying for WRAS accreditation
(all associated components within this equipment are WRAS approved)

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1.0 INTRODUCTION

- A combination of clean industrial design and the latest technology, the **MONO BX oven range** is designed specifically to take the baking Industry's standard trays.
- The ovens in the range are of **stainless steel construction** and some have removable tray racks to aid cleaning.
- The smaller ovens are designed to be **stackable** without separate support, so your business can grow without taking up more ground space.
- The high-speed fans, elements and steam systems give **efficient air circulation** to produce a professional bake across a range of products.
- The doors are **double glazed** to increase the efficiency of the ovens well-insulated baking chamber
- Ovens are available with either **LED (classic)** or **LCD (colour)** displays as the user-friendly control panels.



2-TRAY Bx OVEN



4-TRAY Bx OVEN



10-TRAY Bx OVEN

- The 10-tray Bx is supplied with a 10-tray capacity stainless steel base with locking castors.
- The optional condenser unit can be fitted to any Bx oven or stacked Bx ovens as required. With thermostatic control it can be adjusted to operate in most ambient temperatures.

2.0 SPECIFICATIONS

NUMBER OF TRAYS	TRAY SIZE	MONO REF.	A	B	C	TOTAL POWER	ELEMENT LOADING	SUPPLY VERSIONS	FUSE
4/5	60CM X 40CM	FG158	1000mm	815mm	570mm	7.5kW	7kW	CLASSIC : 380/415v 3PHASE AND NEUTRAL / 50hz COLOUR : 380/415v 3PHASE AND NEUTRAL / 50hz CLASSIC : 220/240v SINGLE PHASE / 50hz	16AMP PER PHASE 16AMP PER PHASE 40AMP
4/5	30" X 18"	FG159	840mm	1200mm	525mm	8.5kW	8kW	CLASSIC : 380/415v 3PHASE AND NEUTRAL / 50hz COLOUR : 380/415v 3PHASE AND NEUTRAL / 50hz CLASSIC : 220/240v SINGLE PHASE / 50hz	16AMP PER PHASE 16AMP PER PHASE 40AMP
4/5	40CM X 60CM	FG153	780mm	1060mm	525mm	7.5kW	7kW	CLASSIC : 380/415v 3PHASE AND NEUTRAL / 50hz COLOUR : 380/415v 3PHASE AND NEUTRAL / 50hz CLASSIC : 220/240v SINGLE PHASE / 50hz	16AMP PER PHASE 16AMP PER PHASE 40AMP
2	60CM X 40CM	FG156	1000mm	643mm	420mm	3kW	2.9kW	220/240v SINGLE PHASE / 50hz	13AMP
10	30" X 18"	FG150	840mm	1310mm	1870mm * 2070mm *	17kW	2 X 8kW	380/415v 3PHASE AND NEUTRAL / 50hz	32AMP PER PHASE
10	40CM X 60CM	FG149	780mm	1075mm	1870mm *	15kW	2 X 7kW	380/415v 3PHASE AND NEUTRAL / 50hz	32AMP PER PHASE

CLASSIC = LED DISPLAY COLOUR = LCD DISPLAY

WATER SUPPLY

2 BAR OR GREATER REQUIRED.

(STANDARD DOMESTIC WATER SUPPLY IS USUALLY WITHIN THESE PARAMETERS BUT SPECIAL ARRANGEMENTS CAN BE MADE FOR LOWER PRESSURES)

THE CUSTOMER MUST FIT AN IN-LINE STOPCOCK AND IT IS STRONGLY ADVISED TO FIT A WATER SOFTENING UNIT TO SUPPLY ALL BAKERY EQUIPMENT THAT REQUIRES WATER.

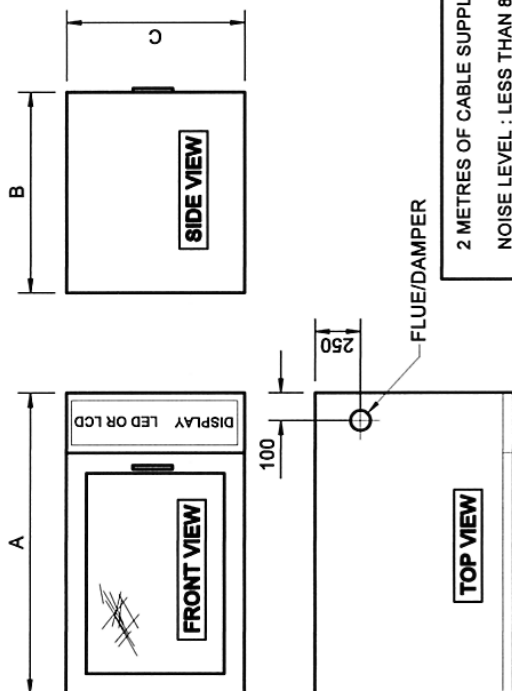
THIS IS ESSENTIAL IN HARD WATER AREAS.

NO DRAIN IS REQUIRED UNLESS THE OPTION OF A CONDENSOR UNIT IS FITTED TO FG159

IF AN OVEN WITH STEAM IS CHOSEN IT IS SUPPLIED WITH

3/8" BSP FLEXIBLE HOSE, 1 METRE LONG.

* INCLUDES STAND
* INCLUDES STAND AND CANOPY



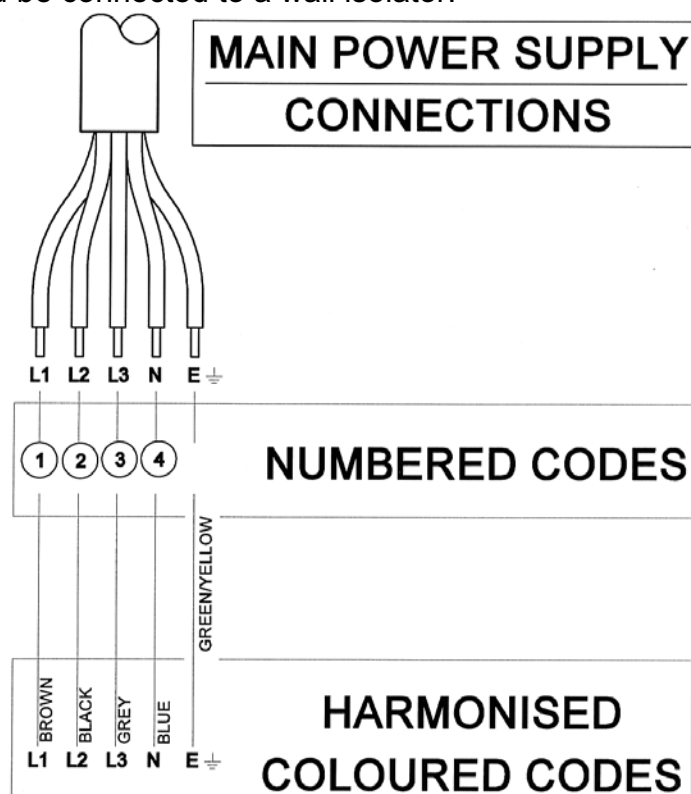
BX OVEN RANGE SPECIFICATIONS

MONO EQUIPMENT

In the interest of safety and efficient operation of the oven, it is essential that this manual should be made available to the operator before work is commenced. The following points should be observed and followed at all times.

1. The oven is designed for baking of bread, confectionery and savoury products only. DO NOT use it for any other items without consulting with **MONO**.
2. The oven must be allowed to cool before any form of cleaning is started.
3. All repairs and maintenance of electrical units must be carried out by authorised electricians; even then, electrical access panels must not be opened unless the mains supply to the oven is isolated.
4. All connections to the oven must be made in accordance with the statutory requirements of the country of installation.
5. While the oven is in operation (and for some time after use), **it is inadvisable to touch the oven window or the surrounds because of conducted heat.**
6. The oven must be operated as described in this manual.
7. Only **MONO** spare parts should be used on this oven.
8. The construction of the oven must not be changed.
9. The owner of the oven is legally obliged to instruct staff of these safety points and of the safe operation of the oven. **These instructions should not be removed from the working area.**
10. To prevent door glass from shattering - **DO NOT CLEAN OVEN GLASS WHEN HOT.**
11. Customers operating a BX oven in a hard water area must ensure that an efficient water-softening device protects the water supply to the equipment.
12. Oven gloves should be worn when moving products in or out of the oven.

1. The oven should be connected to a wall isolator.



2. It is the customers' sole responsibility to arrange adequate ventilation and it should be sufficient to ensure water does not condense on or around the oven. A 50mm gap is required at the sides and rear of this oven. Chimneys and evacuation ducts, fitted above mono ovens should be insulated.
3. If an oven with steam has been chosen, connect to a suitable water supply making sure that the pipes are flushed out to remove all foreign bodies i.e. flux or solder. Customers in hard water areas must ensure that an efficient water treatment device protects the supply to the oven. It is the customers' responsibility to install and maintain an adequate water supply to the oven.
4. In the interests of hygiene, we strongly recommend that before using the oven for the first time you wipe the inside of the oven and all accessories thoroughly with a clean cloth soaked in warm soapy water. Although the utmost care is taken during assembly and pre-delivery inspection, there is always a possibility of residue contaminating the first bake if this is not done.
5. Ensure that the locking castors on the base unit (if supplied) are locked into position.
6. **AMBIENT WORKING TEMPERATURES.**

Ambient working temperatures for electric/electronic components such as solenoid switches, circuit breakers, motors etc should be **no more than 40°C (115° f)**

Manufacturers of these and other electrical components advise that any ambient temperature above 40 °C affects the functionality of the components and any related guarantees become void. For example, above this temperature motors are not satisfactorily cooled, contactor efficiency is seriously impaired and electronic components shut down. It is the customers' sole responsibility to arrange for adequate ventilation. Any component malfunctioning during the guarantee period that is found to have been subject to excessive humidity or ambient working temperature above 40 °C (115 °F) will not be covered by the component manufacturers auarantee or MONO's product warrantv.

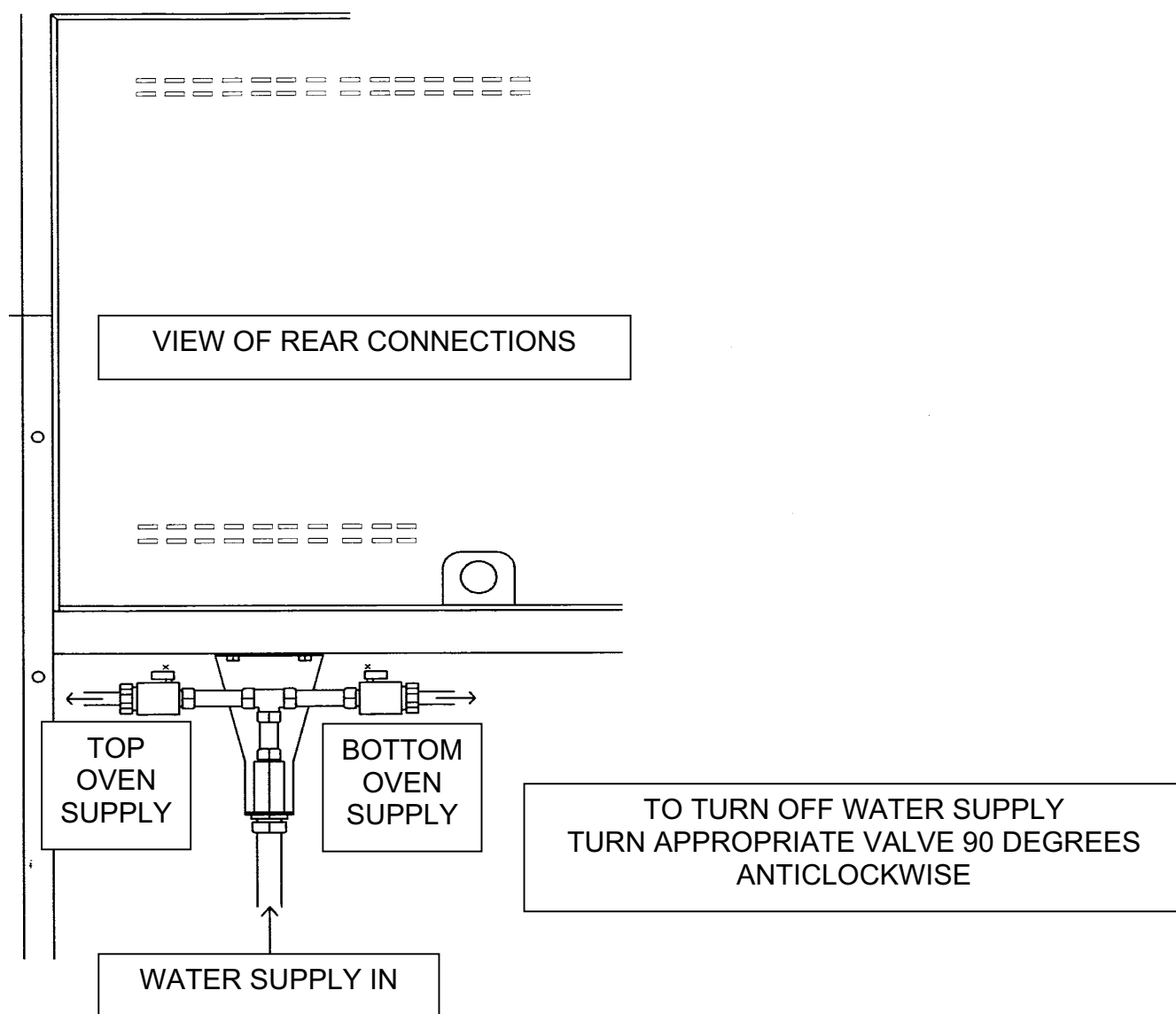
ELECTRICITY SUPPLY

To stop the oven in an emergency, switch off electricity at the wall isolator.

WATER SUPPLY

For stacked ovens, the water supply can be shut off by closing the shut-off valves (See diagram)

For non-stacked ovens the water supply should be shut off at the nearest shut-off point



6.0 CLEANING INSTRUCTIONS

DAILY

NOTE: BEFORE CLEANING ISOLATE OVEN FROM MAINS SUPPLY AND ALLOW TO COOL.

- The equipment is to be cleaned daily using approved chloride-free cleaning fluid
- Sweep any debris (after it has been allowed to cool) onto oven removable trays and remove for cleaning.
- Brush down and wipe oven front, back and sides.
- Wipe clean with a damp cloth that has been soaked in a solution of mild detergent and hot water, paying particular attention around control switches.

IMPORTANT:

TAKE CARE WATER DOES NOT ENTER CONTROL PANEL OR REAR ACCESS PANEL.

DO NOT REMOVE THE REAR PANELLING INSIDE THE OVEN.
THIS ALLOWS ACCESS TO THE FAN ASSEMBLY WHICH IS NOT SAFETY INTERLOCKED AND COULD CAUSE INJURY

WEEKLY

NOTE: BEFORE CLEANING ISOLATE OVEN FROM MAINS SUPPLY AND ALLOW TO COOL.

Complete daily check then

- Clean any burnt-on debris by careful use of a proprietary oven cleaner, carefully following the manufacturer's instructions. Do not allow the oven cleaner to get onto control panel.
- Scrub cabinet wheels (if fitted), with a mild detergent and hot water using nylon cleaning brush.

Ovens using 60cm x 40cm trays (FG156 2 tray / FG158 4 tray)

Open oven door and remove internal racking from sides of oven.

(lift and unlatch racking).

This allows access to hidden areas in the oven, which can be wiped with a damp cloth.

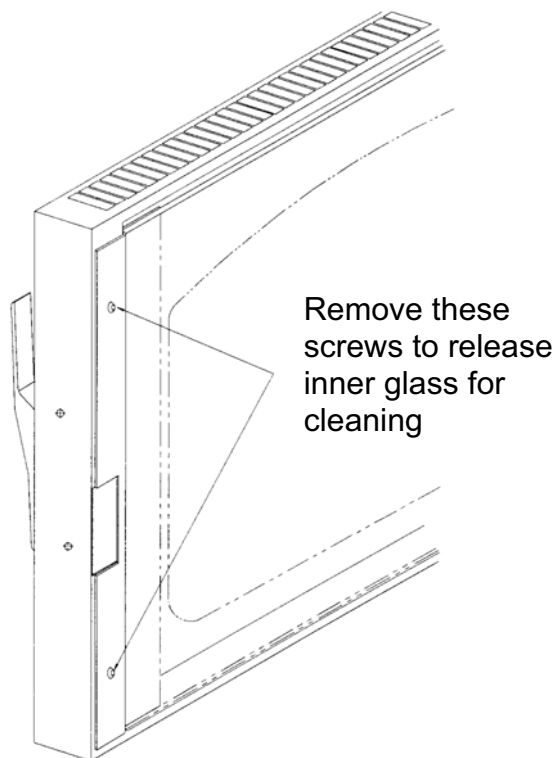
Wipe down, and clean racking with damp cloth and replace.

4 tray ovens

The inner door glass is hinged to enable cleaning of internal surfaces.

To open, remove the two screws shown in the sketch below.

The internal surfaces of the door glass can then be cleaned using a suitable glass cleaner.



7.0 IDEAL OPERATING CONDITIONS

- Room should be allowed for the door to open fully to allow easy loading and unloading of product without people coming in contact with hot surfaces.
- Racks should be available to allow cooked products to cool safely.
- Oven gloves should be available at all times.
- It is the customers' sole responsibility to arrange adequate ventilation and it should be sufficient to ensure water does not condense on or around the oven. A 50mm gap is required at the sides and rear of this oven.
- Chimneys and evacuation ducts, fitted above mono ovens should be insulated

AMBIENT WORKING TEMPERATURES.

Ambient working temperatures for electric/electronic components such as solenoid switches, circuit breakers, motors etc should be **no more than 40°C (115° f)**

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Bx CLASSIC

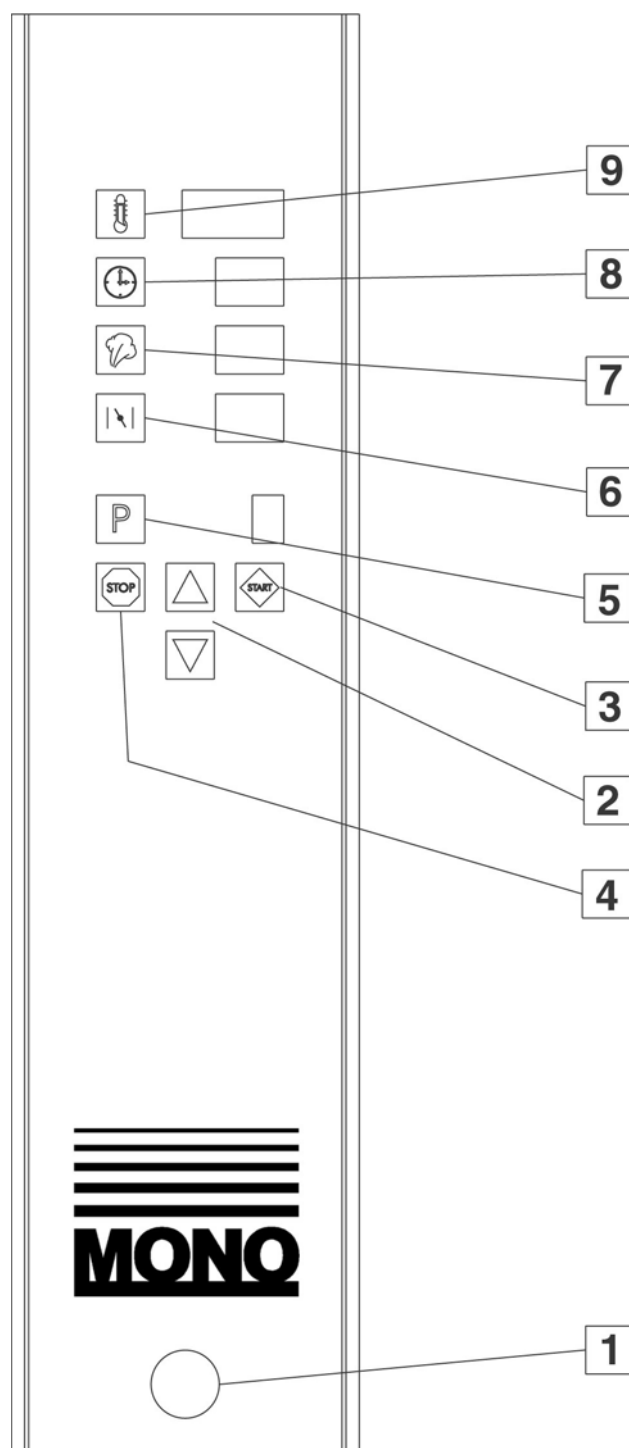
Operating Instructions

CLASSIC

8.0 BX'CLASSIC' OPERATING INSTRUCTIONS RUNNING PRE-SET PROGRAMS

REFER TO CONTROL PANEL (SEE RIGHT)

- 1 **Switch on power** by pressing green button (1).
- 2 **Select required program** using **UP/DOWN** scroll keys (2).
- 3 **Press START** key (3) to begin bake cycle.
 - Oven will heat to set temperature and display will flash actual temperature.
 - **When set temperature is reached** the display will stop flashing. The oven is now ready
- 4 **Load product.** Close door.
- 5 **Press START** key (3).
Display will show the following:-
 - (9) • Actual temperature.
 - (8) • Remaining bake time in minutes.
Display will automatically switch to show remaining seconds during the last minute of bake time.
 - At this time increase bake time if required. Press time key (8), then up/down keys (2) to add more time amount required. Press time key (8) then start (3).
 - (7) • Steam time (if set) in seconds.
If the actual temperature is less than the minimal steaming temperature of 125 C then '--' will be displayed. This indicates that steaming functions are inhibited.
 - (6) • Damper duration (damper open time) in minutes.
 - (5) • Program number/bake cycle indicator.
Display will alternate between program number and the spinning bake cycle indicator.
- 6 **Press STOP** key (4) when "bake over" alarm sounds



9.0 BX 'CLASSIC' PROGRAMMING INSTRUCTIONS

CREATING PROGRAMS/CHANGING PROGRAM VALUES.

Pre-set values for bake temperature; bake time, steam and (optional) damper may be modified at any point.

CHANGING PROGRAM VALUES

Use the **UP/DOWN** arrow keys (2) to select a program.
Press the key associated with the required value
(temperature (9), time (8), steam (7), damper (6)).

A selection indicator will flash in the right hand side of the selected window.

Use up/down arrow keys (2) to modify the value

The operator now has the option to save the changes, or run the program with temporary values.

If the operator chooses not to save the modifications, then the program will reset to its original values upon reselection.

SAVING PROGRAM VALUES

Press and hold the **P** key (5) for 5 seconds.

During this time, all displayed values will flash. The controller will bleep at the end of this period to acknowledge the program save.

Note: Programs cannot be saved during a bake cycle.

SETTING PREBAKE TEMPERATURE (if enabled)

Press (9). (one dot flashes)

Press (9) and hold for 3 seconds (3 dots flash).

Use up/down arrow keys (2) to set temperature.

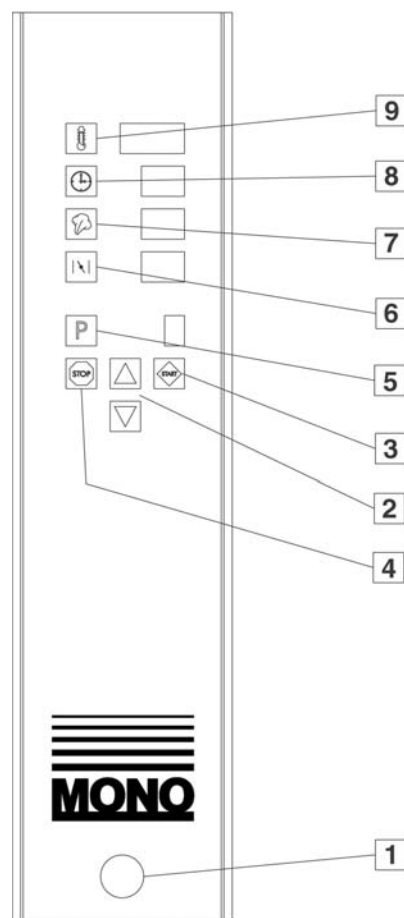
Press (9) to save

CHANGE DISPLAY TEMPERATURE FROM C TO F

Hold the **P** key (5), together with the **STOP** key (4) for 5 seconds.

Press start then **UP/DOWN** arrow keys (2) to adjust from F to C

Press stop to exit.



FAN CYCLE and RESTART DELAY SETTING

NOTE: This facility is only functional on a 3 phase oven. If it is activated on a 1 phase, the fan will stop.

Fan control setting is accessed by pressing and holding the **P** key (5), together with the **STOP** key (4) for 5 seconds.

Fan cycling setting

Display will show '**FAN 00**' if cycling is disabled or '**FAN 01**' if enabled.

press (8) key to select. Default value = fan cycling disabled. Press stop to exit.

Fan restart after steam setting

press (7) key to select.

Use the **UP/DOWN** arrow keys (2) to adjust (60 secs max). Press stop to exit.

OVEN PREBAKE ENABLING

Hold the **P** key (5), together with the **STOP** key (4) for 5 seconds.

Press start - "Prb" is displayed

Press (8) to show "- 0" for disabled or again to show "- 1" for enabled.

Bx COLOUR

Operating Instructions

COLOUR

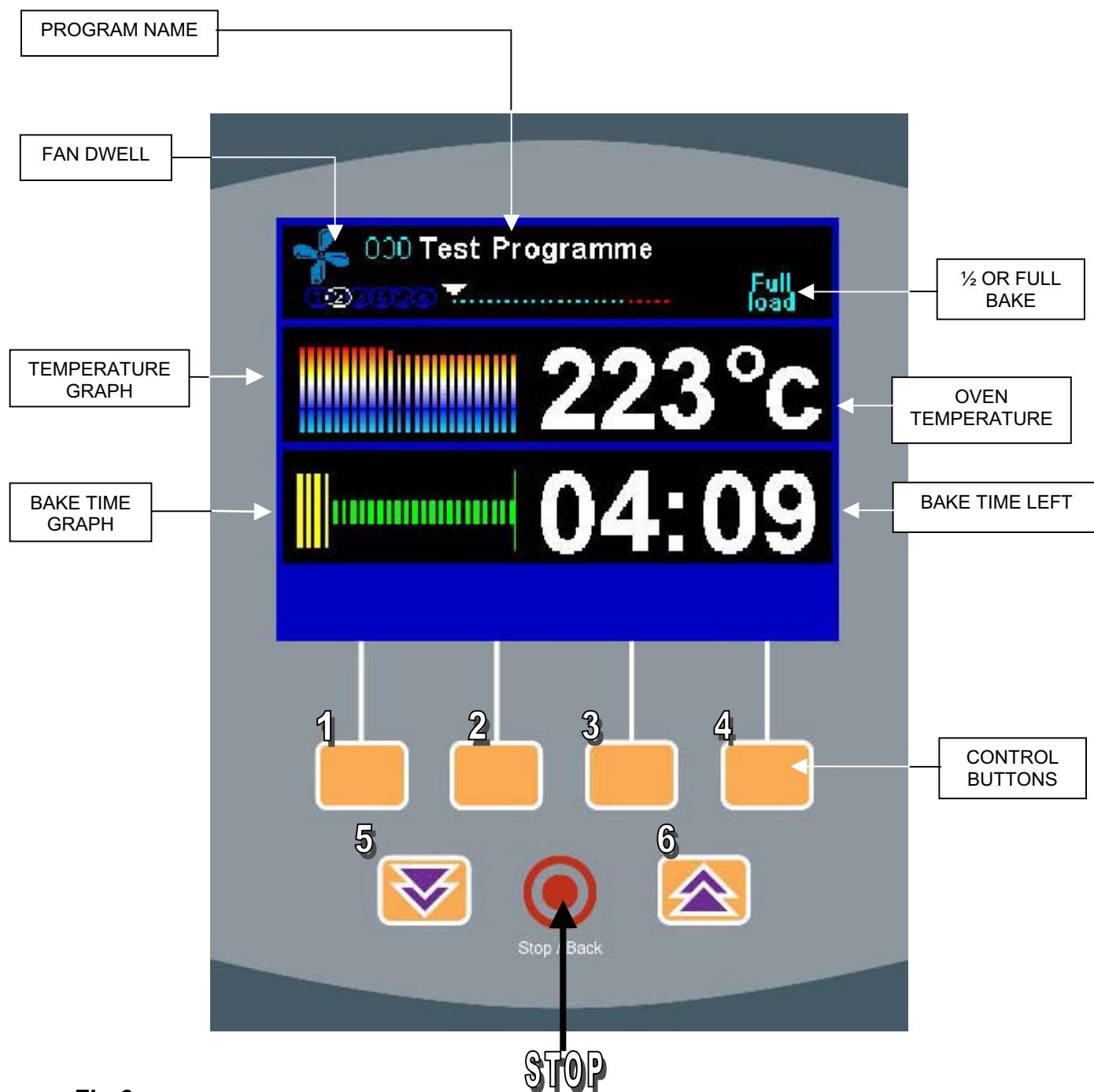


Fig 6

Control Panel – BX COLOUR oven

(TO BE USED IN CONJUNCTION WITH SECTIONS 10.0, 11.0 AND 12.0)

10.0 BXC OPERATING INSTRUCTIONS

1. Connect water ensuring there are no leaks.
2. Connect power to a suitable outlet.
3. Turn oven on by pressing green button, and the following screen will appear:



Fig 1

4. Press (4) and program list appears (see fig 2). (If oven has not been programmed go to section 11 - programming).

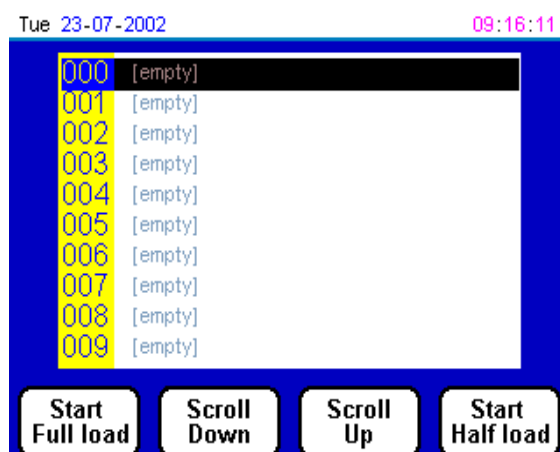


Fig 2

5. Highlight program required by pressing (2) = **down** list. (3) = **up** list
(5)=10 places **down** and (6) = 10 places **up** (see fig 6)

6. Start heating oven by pressing (4) for ½ load bake and (1) for full load, and the following screen will appear. (fig 3)

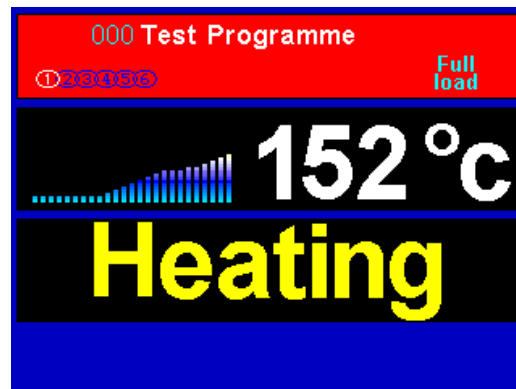


Fig 3

To stop heating press stop (o) at any time.

7. When oven is ready, the following screen will appear (fig 4). Load product and press start (4)

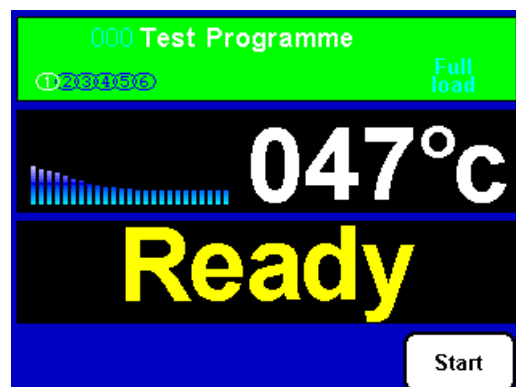


Fig 4

8. At the end of bake time, buzzer will sound, and (fig 5) will be displayed. Press stop (o)

and remove product. Shut door to conserve heat.

OR

press key 4 to increase bake by 2 minutes (press stop at any time to stop bake)



Fig 5

9. This will now take you back to program screen (Fig 2).
10. To bake in pre-heated oven, select new program with keys 2 and 3. Follow instructions 6 – 8.

NOTE: During heating (1) can be pressed at any time to check settings.
(Press (1) or wait 10 seconds to return to previous screen).

Until oven is up to temperature the display will show “ HEATING” when correct temperature is reached display will show “READY” the oven will keep to set temperature until bake is started.

Oven will keep up to temperature of last product baked or new item on program list if chosen.

11.0 BXC PROGRAMMING INSTRUCTIONS

1. Press stop (o) to get to first screen

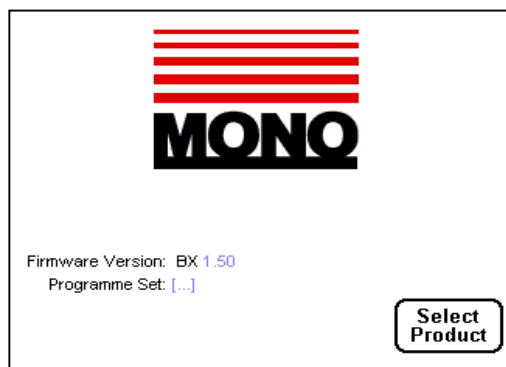


Fig 7

2. Press (2) for pass code screen Fig 8.

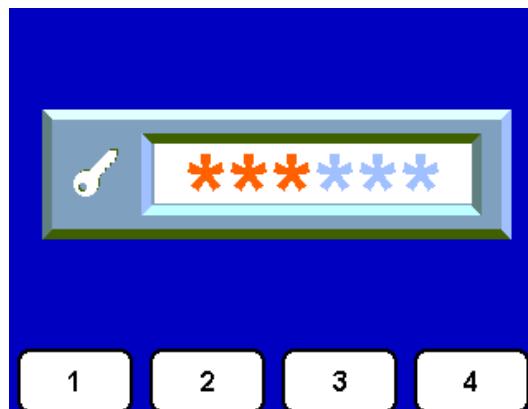


Fig 8

3. Enter pass code (default 111111). Fig 9 will appear.

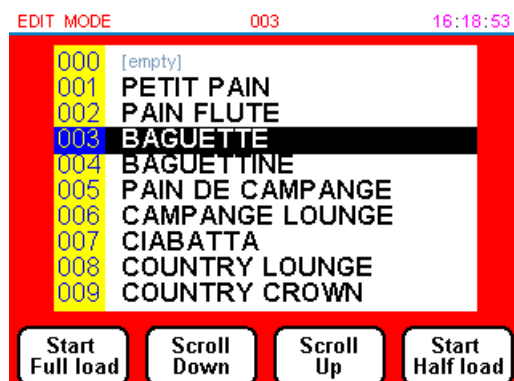


Fig 9

4. Press (4) for $\frac{1}{2}$ bake set-up or (1) for full bake set-up
All parameters can now be set.

The oven is capable of six different phases per bake and if a lower number is required, bake time can be left at “0” to leave that phase inoperative.

To move **across** the screen press (4)

To move **back** press (1)

To **increase** value of parameter press (3)

To **decrease** value of parameter press (2)

POWER LEVELS

TEMPERATURE

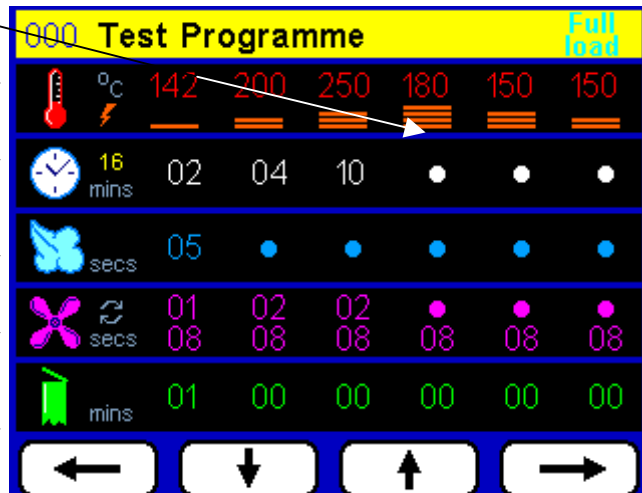
BAKE DURATION (minutes)

STEAM DURATION (seconds)

FAN CYCLES

FAN DWELL (seconds)

DAMPER DELAY (from start of bake phase)



PROGRAM TITLE

Press (6) to go up alphabet, press (5) to go down alphabet. After each letter has been chosen press (4) to go to next position. If a mistake is made, pressing (1) will go back to previous position.

WHEN ALL PARAMETERS ARE COMPLETE
PRESS (stop) **THREE TIMES** TO SAVE THE SETTINGS.

REPEAT FOR EACH PROGRAM REQUIRED.

12.0 USING MONOLINK UPLOAD/DOWNLOAD SYSTEM SOFTWARE

Equipment required:

P.C. floppy disk drive
9 ways D-type serial port
Windows 95-2000
Monolink up/download system
Null modem cable (2 x 9 way D-type connector – both female)
Approximately 2m long

Section 1. Getting Started

Connect the Null modem cable from the P.C (usually com 1) to the port on the control panel. Switch on your P.C and enter windows. Insert Mono floppy disc, double click on '**my computer**' icon then double click on '**(A) drive**', double click on '**shortcut to Monolink.exe**'. This will then progress you into the main screen as shown below:

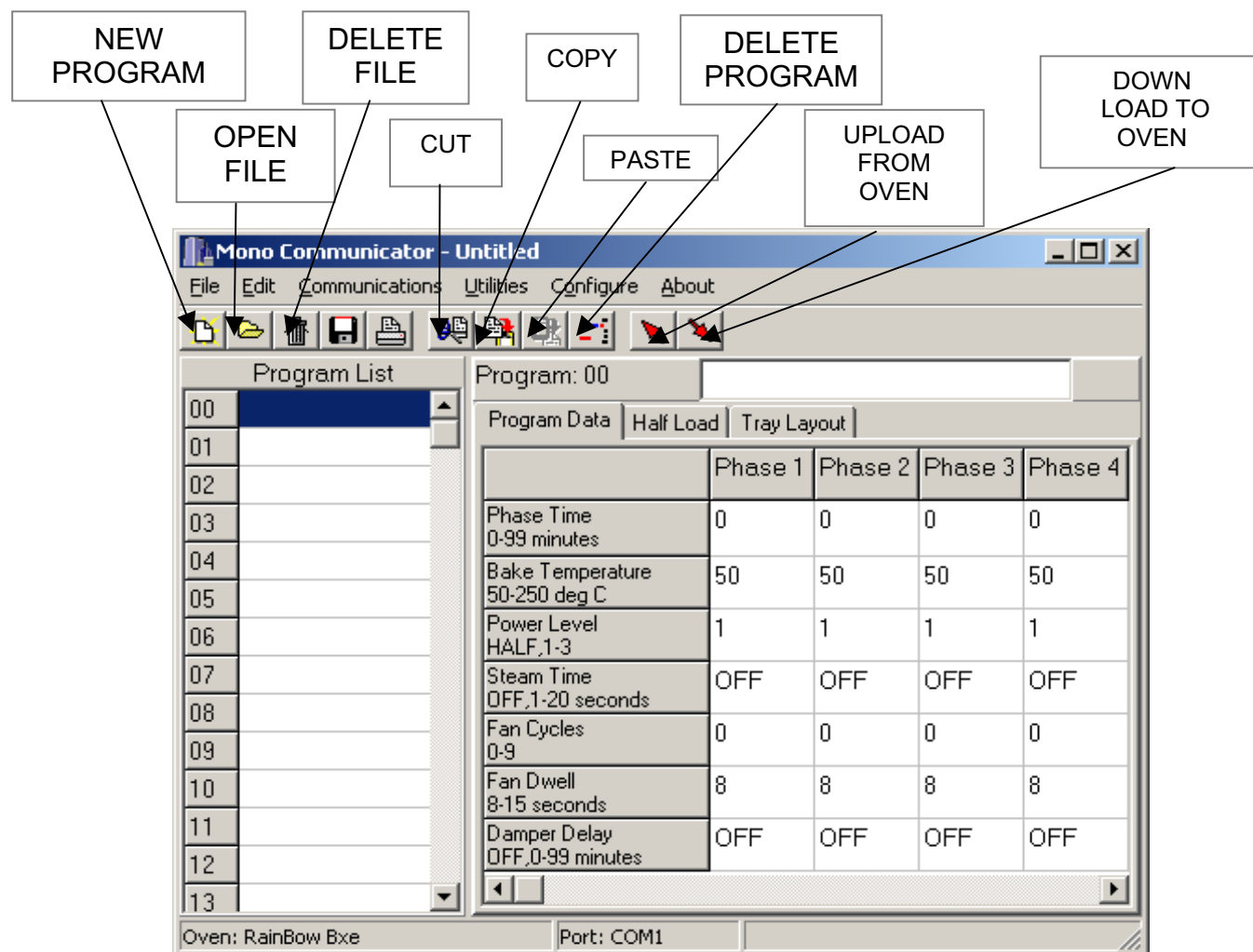


Figure 1

Section 2. Setting up

1. Choose '**Configure**' and scroll down to '**Com port**'
2. Then click on '**Com 1**' oven type
3. Next click on '**Configure**' scroll down to oven
4. Next click on '**Rainbow Bxe**'

Section 3. Writing programs on your Personal computer (P.C)

Click on first box under the heading program list, (as can be seen in fig 2) enter your program name and select phase time, bake temperature, power level, steam time, fan cycles, fan dwell and damper delay. This can be repeated up to 99 times just by clicking on next box below. It is now important to save the file to disk.

(See section 4 saving)

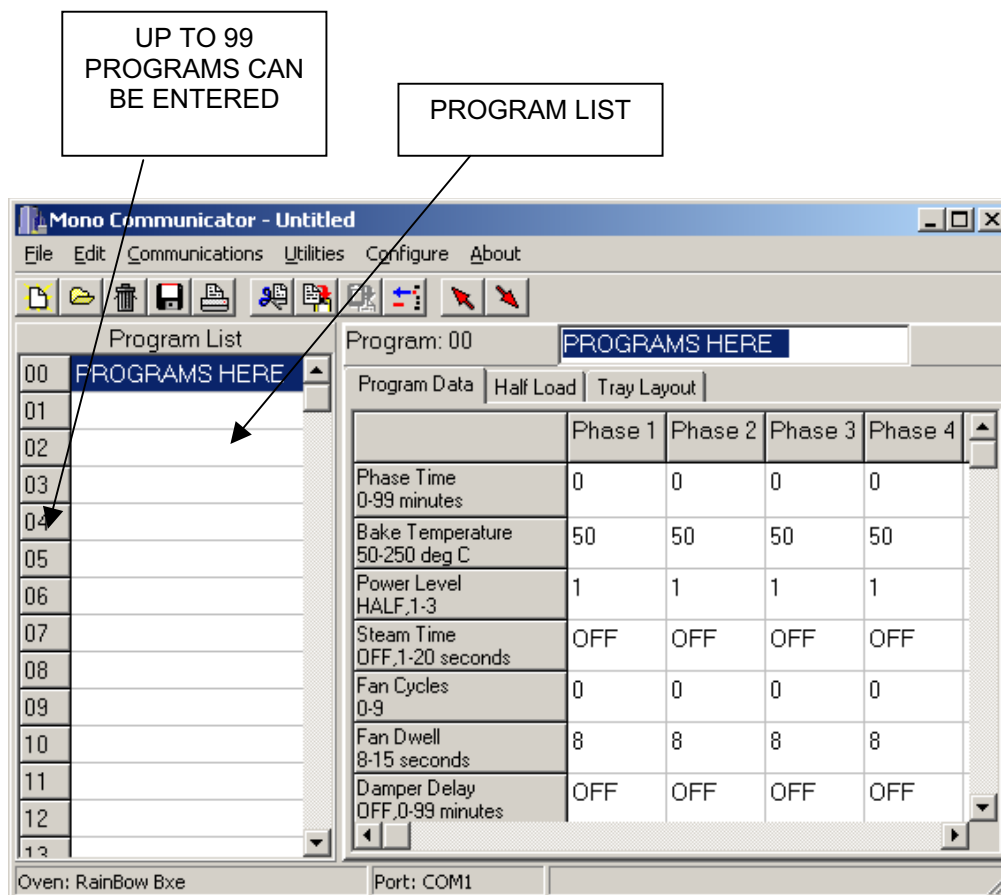


Figure 2

Section 4. Saving

Click on '**file**' then scroll down to '**save as**' and click on it, and the following box will appear, chose an appropriate drive and enter a suitable name for the file and press save.

It is from this screen that the files are given they names:

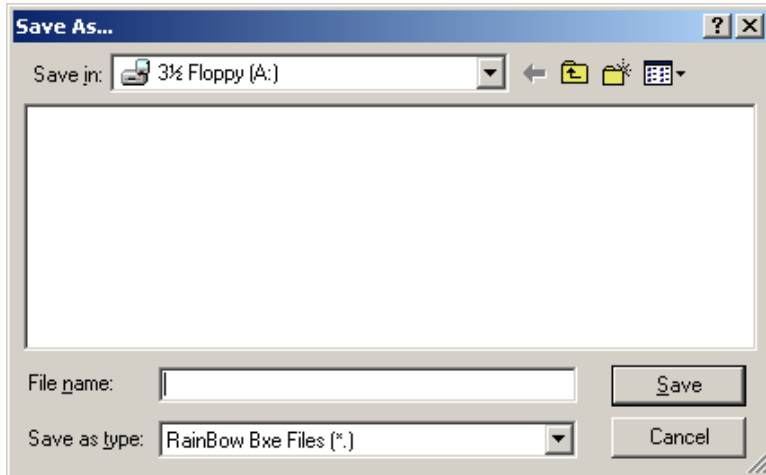


Figure 3

Section 5. To open, recall a folder and file

To recall a file or folder first point and press the '**file**' button, scroll down until '**open**' is highlighted then click once more. (Or click on '**open file**' see figure 1)

The following window will appear:

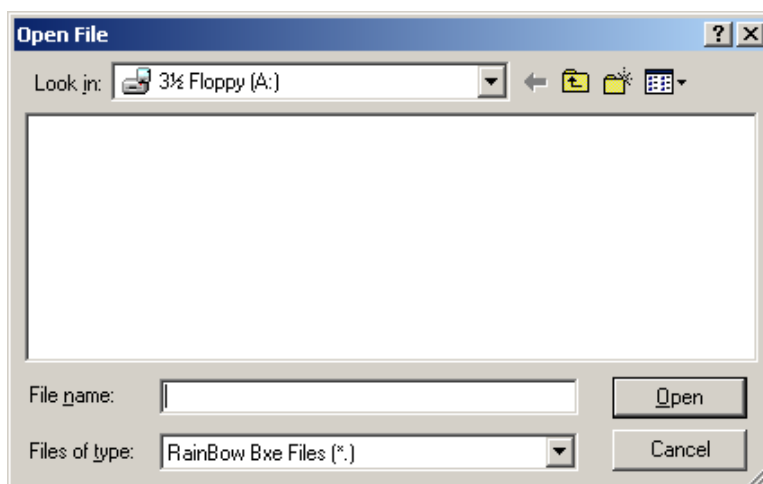


Figure 4

Click on the file needed, and press open, the file will then open in the Mono Communicator. (or enter the file name into the box).

Section 6. Transferring files from your PC to your smartbake controller

Before any file transfer can take place the folder you wish to transfer files from must be opened. To do this follows the instructions in **section 5 to open, recall a file or folder**.

Check that oven is switched on and in the following screen:

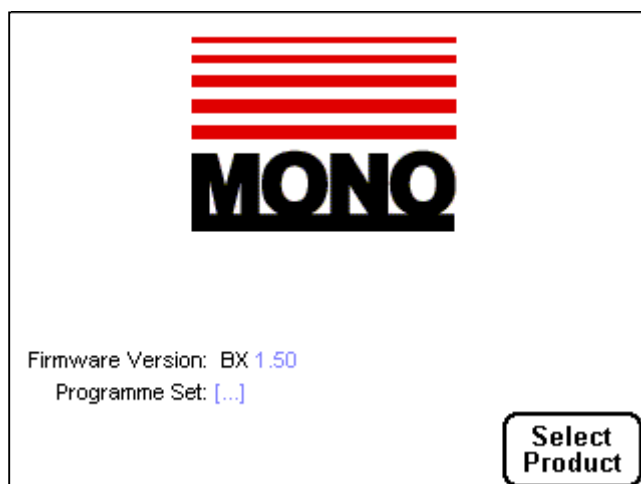


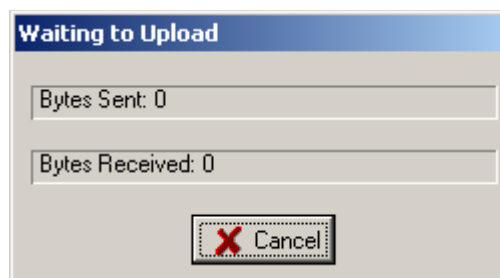
Figure 5

Also check that data transfer lead is properly connected

Uploading from oven

Check that oven is switched on and that data transfer lead is properly connected, and that **'figure 5'** is displayed.

Click the red up-arrow key or click on communications in the toolbar and select upload (from oven), and the following screen will appear:



If during either uploading or downloading, the communications error window opens,

With the error message “Error in reply from controller” then check that the data transfer lead is connected correctly and that the oven is switched on and functioning normally.

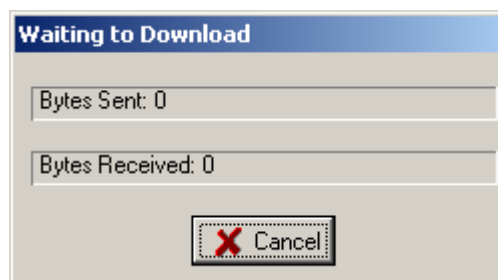


Downloading from Computer (P.C)

Check that oven is switched on and that data transfer lead is properly connected, and that figure 5 is displayed.

Open file to be downloaded

Click the red up-arrow key or click on communications in the toolbar and select upload (from oven), and the following screen will appear:



With the mono communicator window open and a program file open, individual bake programs can be cut pasted via the edit button in the toolbar.

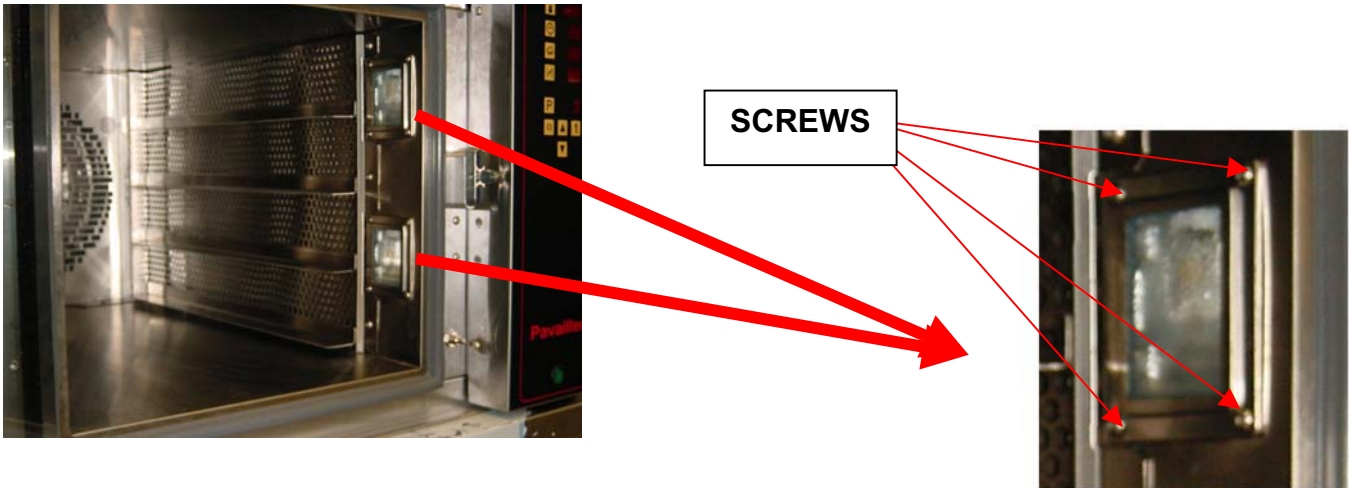
13.0 MAINTENANCE

- Check for frayed or bare cables. The machine must not be used if frayed or bare cables are visible.
- Follow cleaning instructions.

14.0 BULB REPLACEMENT

In the event of a bulb failure, Instructions on how to change a bulb are as follows: -

- Ensure oven is isolated from mains supply and allow to cool.
- Remove screws (4 per light) and take glass off lamp unit.



- Remove bulb by unscrewing anticlockwise and replace with new bulb.
- Refit glass front.
- Re-connect oven and test.

15.0 STEAM SYSTEM MAINTENANCE

- If it is noticed that the steaming operation has deteriorated, perhaps due to hard water scaling, please contact your oven supplier.



CONDENSER UNIT

INDEX

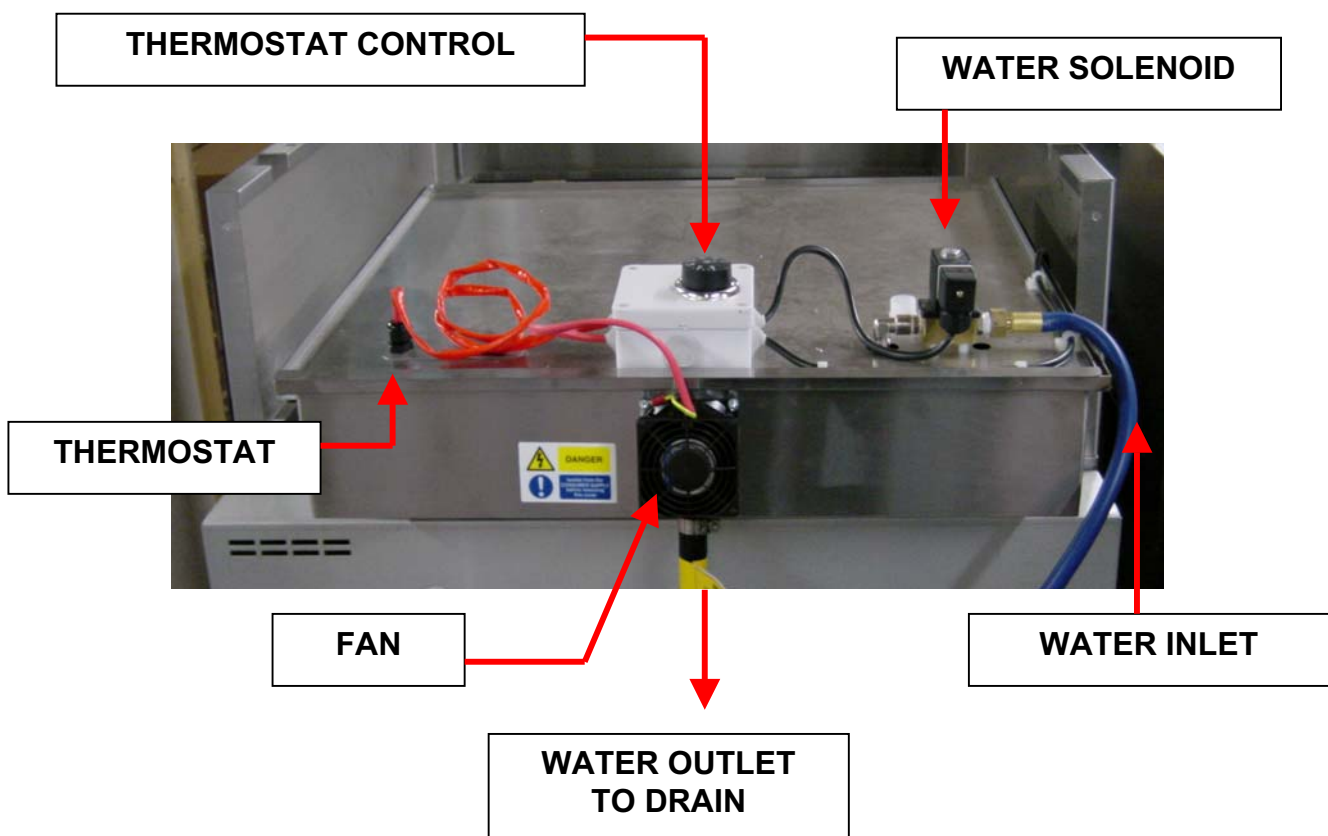
INTRODUCTION	PAGE 31
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SPECIFICATIONS	PAGE 33
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ELECTRICAL INFORMATION	SEE ELECTRICS MANUAL

INTRODUCTION

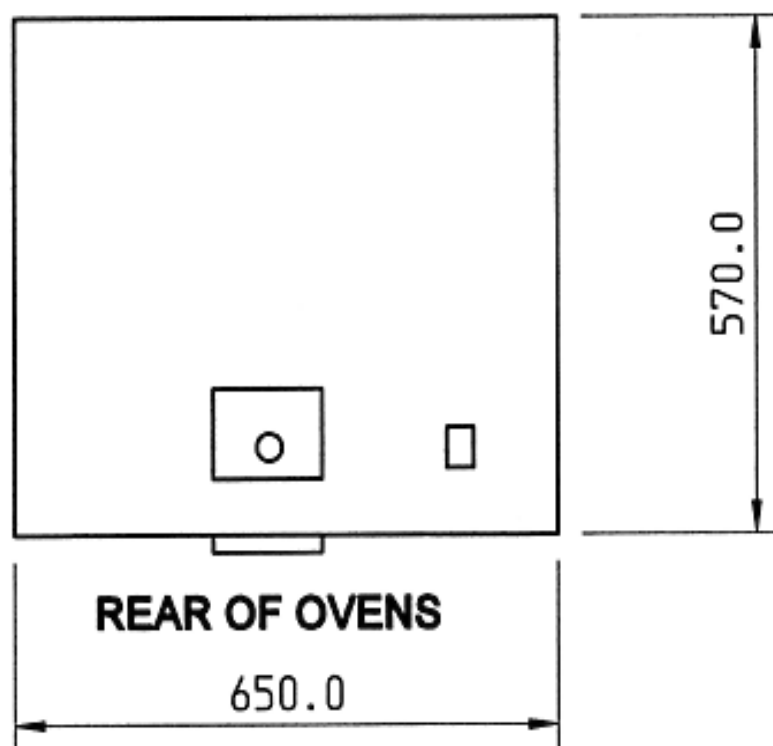
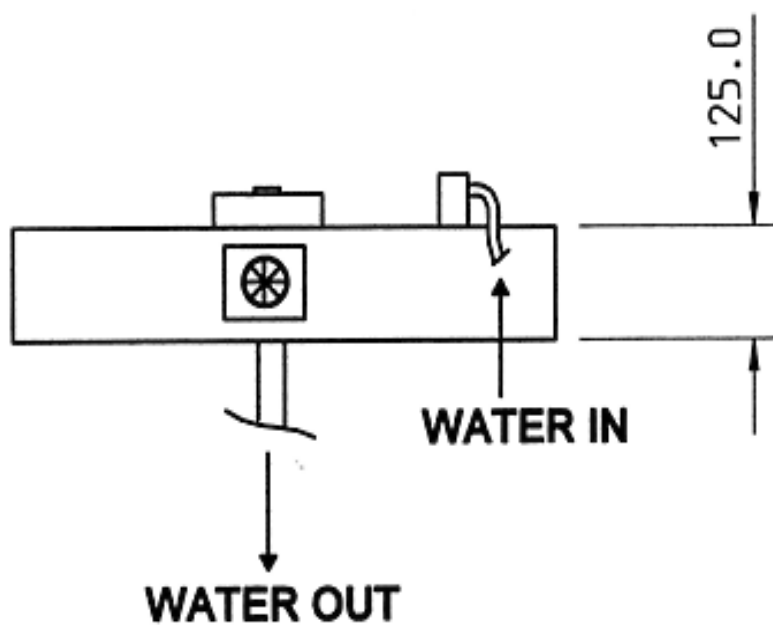
The condenser can be fitted to any Bx oven or stacked Bx ovens as required. With thermostatic control it can be adjusted to operate in most ambient temperatures. Simple water connection (washing machine type fitting) and a hose to drain are all that is required to operate efficiently.

Steam is drawn from the fluepipe of the oven through a thermostatically controlled water cooled chamber and condenses to drain away.

When the cooling water reaches a set temperature it is automatically replaced with cold water to keep the condensing process as efficient as possible.



DIMENSIONS



SPECIFICATIONS

POWER 230volts, 1 phase, 50hz,
21watts
Wired to oven electrical panel.

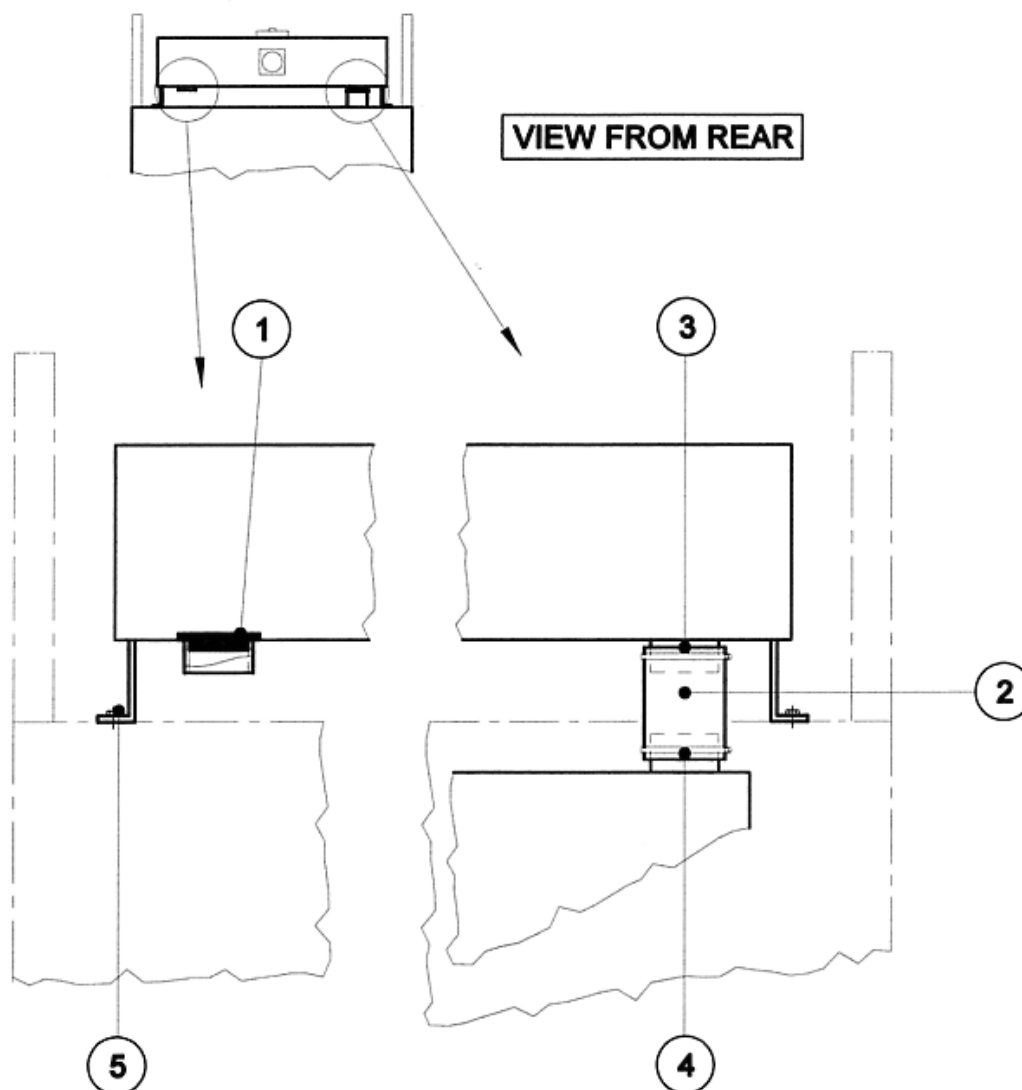
WATER Washing machine type connection to normal water supply
via steam water connection to oven(s).

NOISE Less than 85dB

WEIGHT Approx 18kg

INSTALLATION

BEFORE INSTALLING ENSURE THAT ALL POWER IS DISCONNECTED AND THE OVEN IS COOL



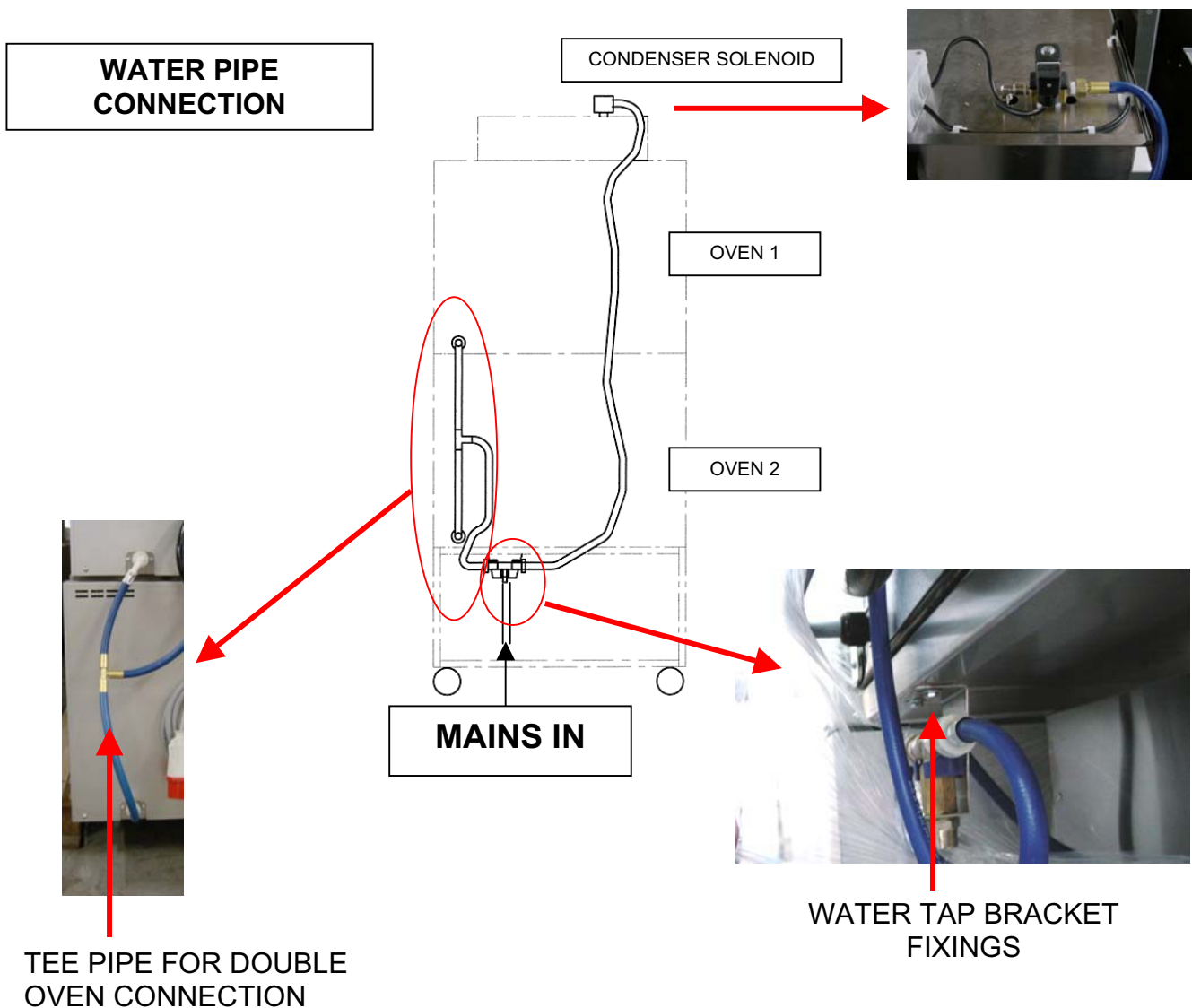
1. Before fitting the main condenser assembly, insert blanking plug (1) into lower hole that will not be required for the hand of oven being used.
2. Connect tube (2) to the spigot and retain with worm-drive clip (3).

NOTE

If fixing holes are not present on the top sheet of the oven, they should be marked and drilled at this stage.

Position condenser correctly and mark hole positions (*centre of each slot*). Remove condenser and drill holes of 6.5mm diameter at 4 positions.

3. Place condenser in position ensuring that the tube **(2)** passes through the hole in the top of the oven and worm drive clip **(4)**, then over spigot of the damper assembly on the oven.
4. Tighten worm-drive clip **(4)**.
5. Fasten condenser unit to top of oven with M6 x 12mm long hex head screws and washers in 4 positions.
(If holes have been drilled, nuts will have to be used also).
6. Connect wiring, depending on whether the oven is 4 tray or 10 tray, as shown in electrical section of this manual.
7. Connect drain hose to a suitable drain.
8. Attach water tap bracket to frame of base as shown and fasten water hose to a water supply. (A tee pipe must be used on double ovens)

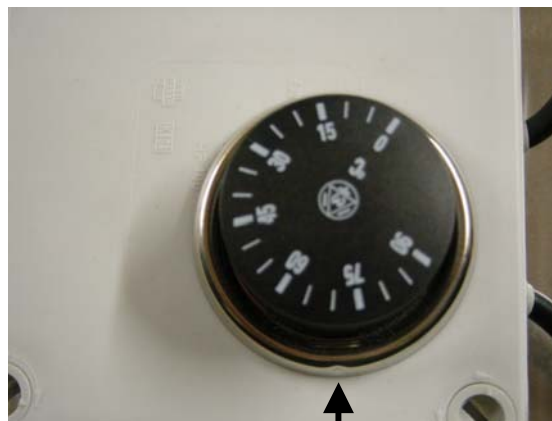
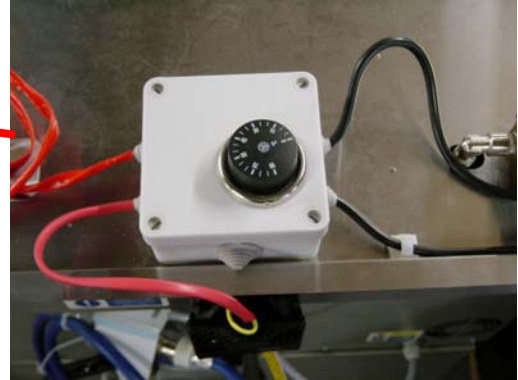
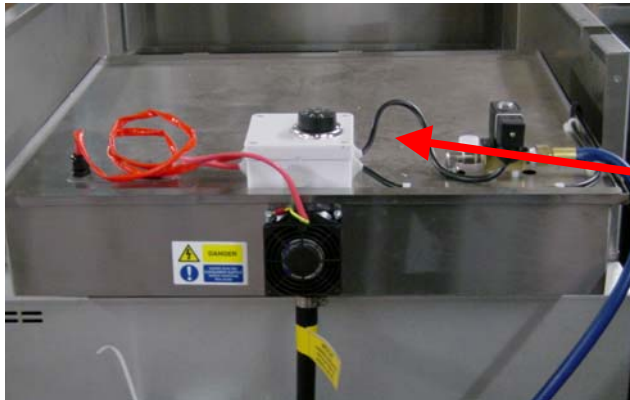


SAFETY

**BEFORE INSTALLING ENSURE THAT ALL POWER IS DISCONNECTED
AND THE OVEN(S) IS COOL**

1. All repairs and maintenance of electrical units must be carried out by authorised electricians; even then, electrical access panels must not be opened unless the mains supply to the oven is isolated.
2. All connections to the oven must be made in accordance with the statutory requirements of the country of installation.
3. While the oven is in operation (and for some time after use), **it is inadvisable to touch the condenser or the surrounds because of conducted heat.**
4. The condenser must be operated as described in this manual.
5. Only **MONO** spare parts should be used on this condenser.
6. The construction of the condenser must not be changed.

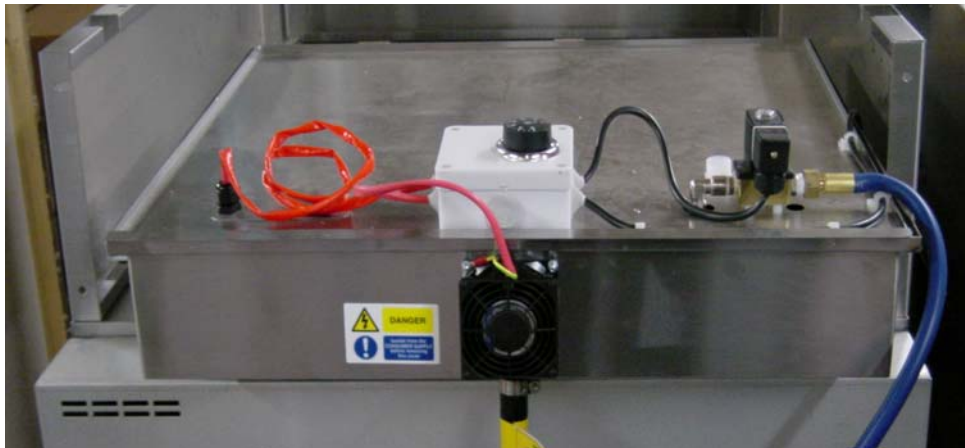
OPERATION



SETTING POSITION

1. Ensure that the water is connected correctly and the oven power is on.
2. The thermostat control should be adjusted to the required position.

*It is suggested that as a starting point the thermostat is set at 60.
It can then be adjusted down if the performance drops or adjusted up if it is found that the water is being replaced too often.*

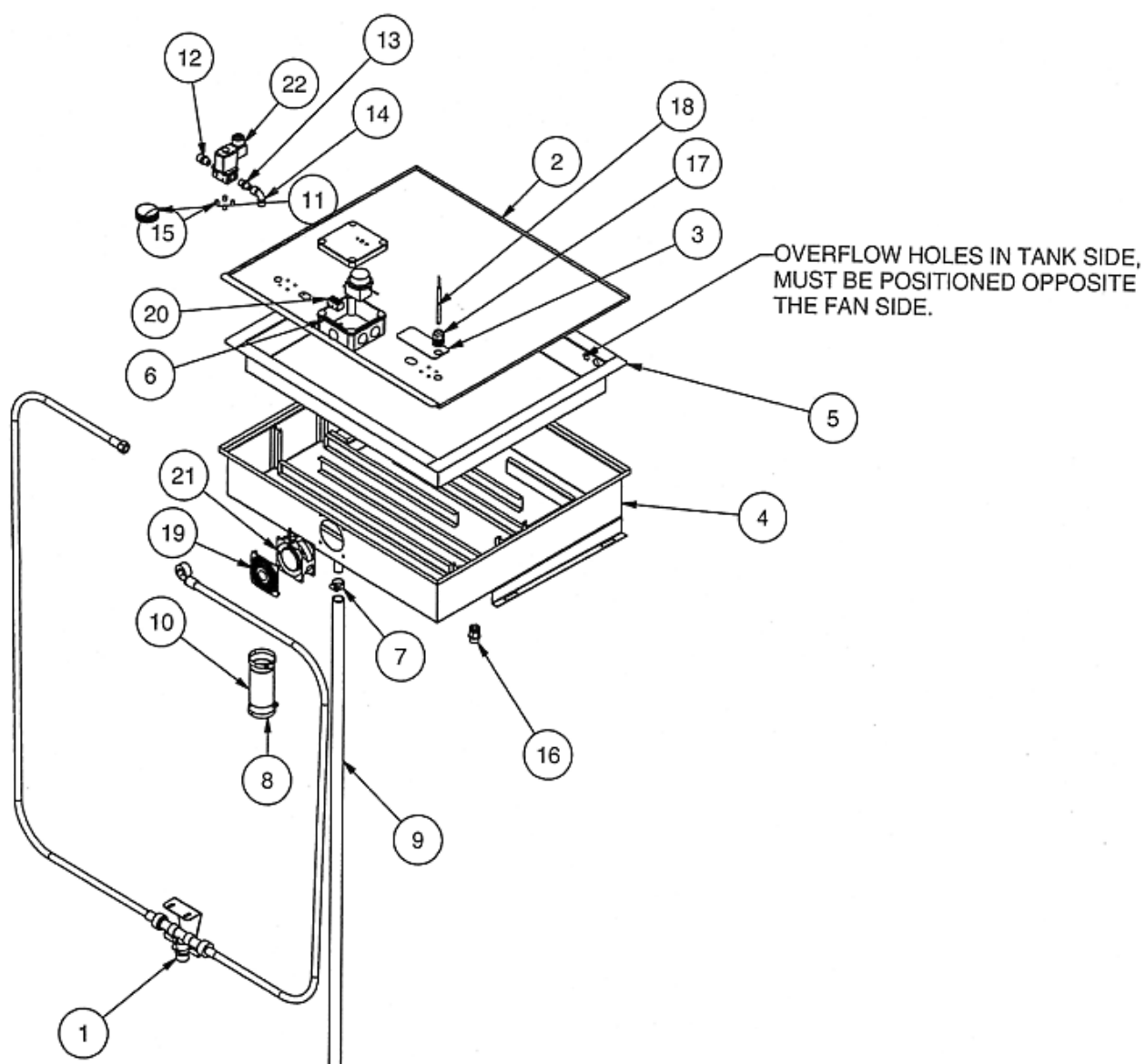


SPARES INFORMATION

FOR ENGINEERS USE ONLY.

DO NOT ATTEMPT ANY ALTERATIONS.
IF IN DOUBT, CONTACT MONO EQUIPMENT FOR ADVICE

CONDENSER UNIT MAIN PARTS



ITEM	PART No.	DESCRIPTION	QTY
①	150-07-01300	INLET WATER CONTROL UNIT	1
②	150-19-01700	TOP SHEET	1
③	150-19-02300	COVER PLATE	1
④	150-19-02600	BASE TRAY	1
⑤	150-19-02700	WATER TANK	1
⑥	150-25-07100	JUNCTION BOX	1
⑦	A900-01-196	WORM DRIVE CLIP	1
⑧	A900-01-271	WORM DRIVE CLIP	2
⑨	A900-23-004	DRAIN TUBE (2 METRES)	1
⑩	A900-23-027	FLEXIBLE TUBE	1
⑪	A900-27-187	PLUG INSERT	1
⑫	A900-34-191	REDUCER ¼" BSP MALE X 3/8" BSPT MALE	1
⑬	A900-34-244	REDUCER ¼" BSP MALE X ¼" BSPT MALE	1
⑭	A900-34-245	ELBOW	1
⑮	B811-33-001	SPACER	4
⑯	B839-17-003	CABLE GLAND TYPE 251	1
⑰	B842-17-005	CABLE GLAND TYPE 206-6096	1
⑱	B842-30-003	THERMOSTAT	1
⑲	B842-40-002	FAN GUARD	1
⑳	B842-50-005	PORCELAIN CONNECTING BLOCK	1
㉑	B842-75-003	PAPST FAN	1
㉒	B867-83-011	SOLENOID VALVE	1



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