PREP TOP

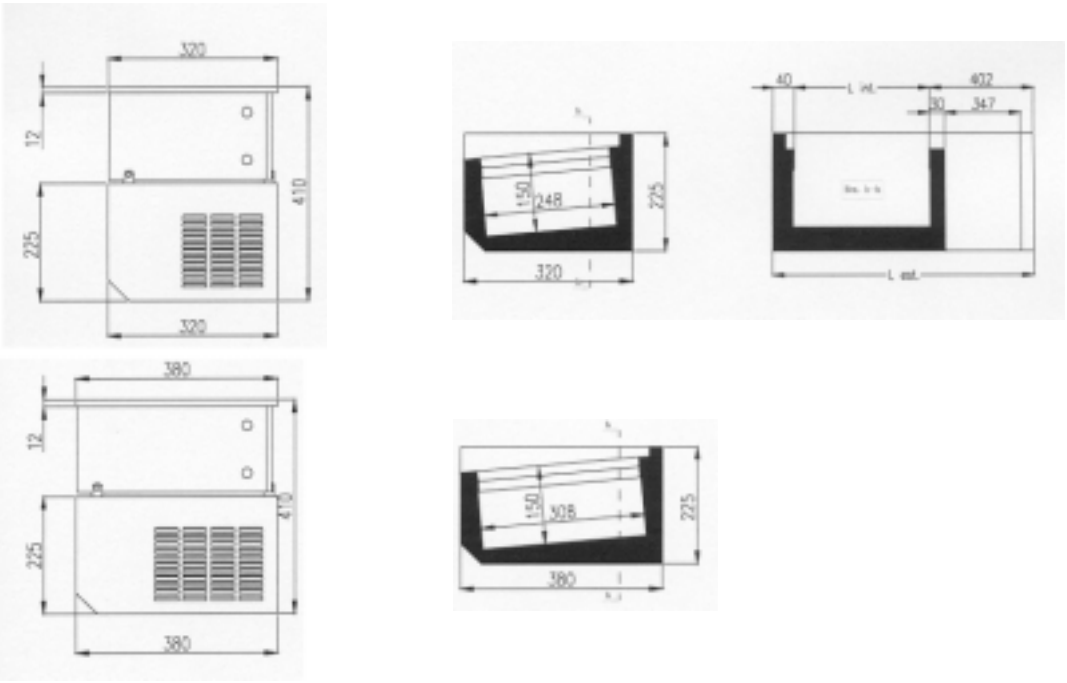
Service Manual

PT 142H. PT 162H. PT182H. PT212H
PT128H. PT148H. PT168T. PT188H. PT218H.

PREP TOP

CONTENTS

1.0 Dimensions



	Model	Dimensions
Interior Dimensions	PT 128	758mm
	PT 142 / 148	958mm
	PT 162 / 168	1158mm
	PT 182 / 188	

	Model	Dimensions
Exterior Dimensions	PT 128	1200
	PT 142 / 148	1400mm
	PT 162 / 168	1600mm
	PT 182 / 188	

2.0 Introduction

21 Machine Description.

The prep top range consist of a horizontal refrigerating show case for the storage of foodstuffs divided into three basic areas.

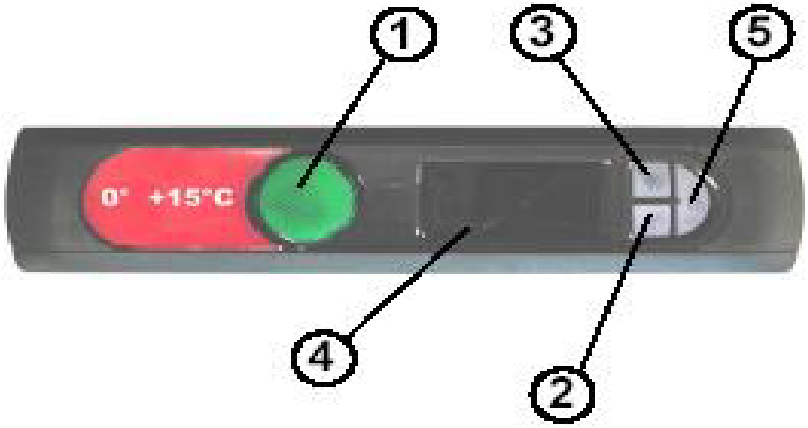
Condensing Unit.
Situated to the right hand side of the machine complete with compressor, condenser, condenser fan motor and the refrigeration controls incorporated in the cover.

Evaporator.
Situated inside the foam insulation.

Storage Area.
Refrigerated well in which pans are placed for the storage of food products.

2.2 Operating Instructions.

The controls are grouped together in the cover of the condensing unit.



1. On/off switch. When the appliance is switched on the green indicator illuminates.
2. Defrost indicator. Set point decrease
3. Compressor operation indicator. Set point increase.
4. Digital temperature indicator.
5. Check set point. Programming key (not accessible to the user).

2.3 Basic User Functions.

2.4 Setting the temperature.

Press button 5 to display the set point.
Whilst the temperature is displayed, press button 2 to decrease the set point or button 3 to increase the set point.
The set point can only be set between the preset parameters of 15^0C maximum and 0^0C minimum.

2.5 Defrosting and Routine Maintenance

The internal compartment must be defrosted and cleaned periodically as per the following instructions.

- Switch the machine Off and remove the pans from the machine.
- Disconnect the machine from the mains supply.
- Allow all traces of ice to melt in the refrigerated well.
- Remove any traces of food and other deposits using a plastic spatula.
- Never use wire wool or scouring powder on any surface.
- Wipe the interior using a warm damp soapy cloth followed by a clean damp cloth
- Dry the well using a soft cloth.
- Clean the stainless exterior with a proprietary stainless steel cleaner following the manufacturers instructions.
- Connect the machine to the mains supply and switch the machine On.

3.0 Parameter Adjustments

3.1 Parameter Access

1. Press  button for 5 seconds.

2."**PS"** will be displayed

3. Press  button " 00 " blinking will be displayed.

4. Press  button until the number " 22 " (password) is displayed.

5. Press  button to confirm. The display changes to display the first modifiable code.

6. Press   simultaneously to show the parameter code to be changed.

7. Press  button to display the selected parameter value.

8. Press  to increase the value or press  to decrease the value.

9. Press  to confirm the value temporarily.

10. Repeat the procedure from number 6 onwards for modification of other parameters.

11. Press  button once more to confirm the new values and to exit the modification procedure.

If no buttons are pressed for 60 seconds the controller will revert back to normal operation with none of the changes being saved.

2.2 Parameter Settings

Title	Parameter Description	Range	Unit of Measure	Setting
PA	Password			22
Probe Parameters				
/ C	Calibration of Air Probe	x 0,1 °C / °F	°C / °F	0
/ 2	Reading Stability			4
/ 4	Display Probe	0 = Air Probe. 1 = Food Probe.		0
/ 5	°C / °F	0 = °C, 1 = °F	Flag	0
Temperature Parameters				
rd	Air Probe Differential	Hysteresis	°C / °F	2
r1	Minimum Set Point		°C / °F	0
r2	Maximum Set Point		°C / °F	+15
r3	Alarm Enabling During Defrost	0 = no, 1 = yes	Flag	0
r4	Automatic variation of set point with curtain switch closed.	A4 = 4	Flag	3
Compressor Parameters				
dO	Defrost Type	0 = Electric. 1 = Hot Gas. 2 = Timed / Off Cycle	Flag	2
dI	Time Interval between two defrosts		Hour	0
dt	Defrost End Temperature		°C / °F	4
dP	Maximum Defrost Duration		Minutes	1
d4	Defrost After Switch On	0 = no, 1 = yes	Flag	0
d5	Delay Defrost After Switch On		Minutes	0
d6	No Display During Defrost		Flag	0
dd	Dripping Time		Minutes	0
d8	Alarm Delay After Defrost		Hour	0
d9	Priority of the defrost over Compressor Delays	0 = no, 1 = yes	Flag	0
d/	Defrost Probe Reading	When Defrost Probe is Fitted	°C / °F	
dC	Time Selection	0 = hours, 1= minutes	Flag	0
Alarm Parameters				
AO	Alarms and Fans delta		°C / °F	1
AL	Low Temperature Alarm	AL = 0 excluded	°C / °F	127
AH	High Temperature Alarm	AH = 0 excluded	°C / °F	127
Ad	Temperature Alarm Delay		Minutes	120
A7	External Alarm Delay		Minutes	0
Other Selections				
HO	Serial Address			1
H1	Alarm Relay Mode	0 = Alarm ON, Relay Energised	Flag	0
H2	Buttons Disabled or Enabled	0 = Disabled. 1 = Enabled	Flag	1
H4	Buzzer Disabled or Enabled	1 = Enabled. 0 = Disabled.	Flag	0
H5	Identification code for programming key			\\\
T	External parameter programming			

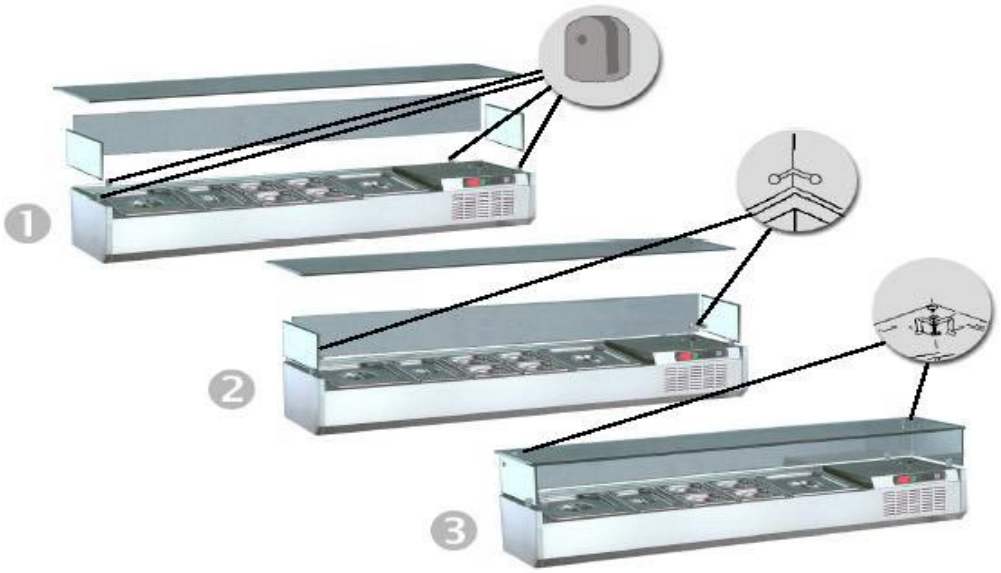
3.0 Trouble Shooting.

The causes of malfunctions are often due to problems that can be easily resolved. Check the following points, according to the problem encountered, and carry out the corresponding operation.

Sympton	Possible Cause	Correction
Refrigeration unit does not start.	Unit switched Off and On using the On/Off Switch. No power supply.	The machine starts again in 3 Minutes. Check plug, sockets, fuses and power.
The Compressor runs continuously but does not cool sufficiently.	Ambient to high. Dirty Condenser Shortage of refrigerant Condenser fan stopped	Ventilate the room or move any heat sources away from the machine Clean Condenser Check for leaks Check electrical connections, replace if faulty.
Refrigeration compartment iced up, compressor running contiuously	Faulty temperature controller Temperature controller set to low Temerature sensor faulty	Replace controller. Check parameter settings Replace faulty sensor
Noisy in operation	Persistent Vibration Noise coming from unit compart-ment	Check that the machine does not come into contact with any other appliance. Fan blade catching on condenser or pipework
E1= Displayed	Temperature sensor faulty	Replace faulty sensor

4.0 Glass fitting instructions

1. Screw the slotted glass supports to the top edge of the machine. Slot the side and rear glass into the supports.
2. Connect the side glass to the rear glass using the two hole brackets supplied.
3. Place the top glass onto the side and rear glass and secure into place using the three hole brackets supplied.



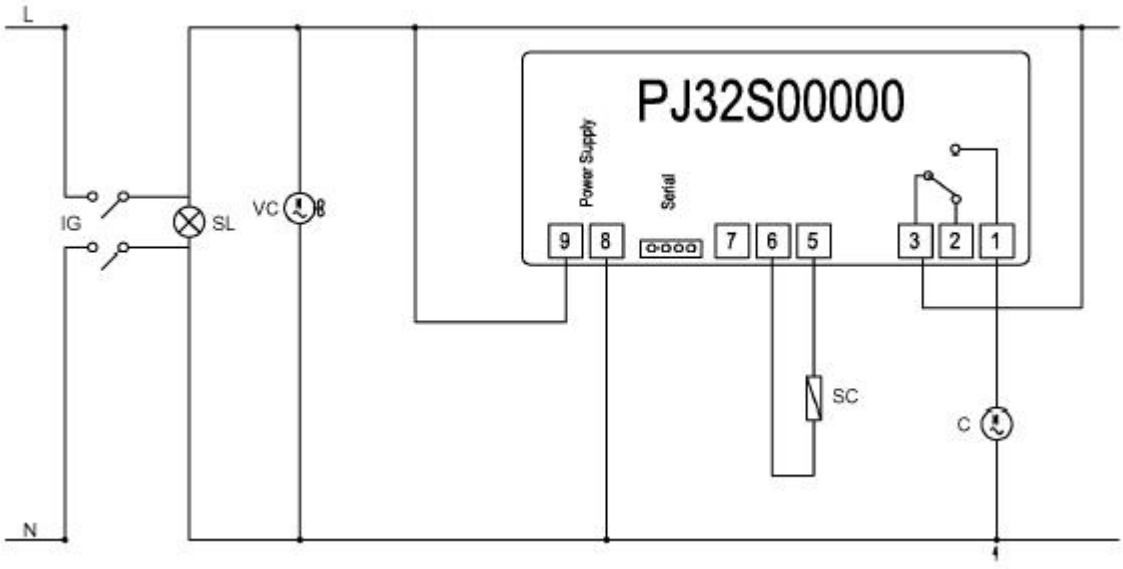
5.0 Access to the Refrigeration Compartment

1. Remove the small plastic side covers from the control panel to gain access to the fixing screws. Unscrew the screws and remove the control panel from the machine.

2. Locate the fixing screw through the square hole in the top panel and unscrew it sufficiently to release the tension but do not remove.
3. Slide the top forward to disengage it from the screw and the rear retainer.

4. Remove the two screws on the right side of the unit compartment to gain access to the condensing unit.

6.0 Wiring Diagram



C	Compressor
IG	On/ Off Switch
SC	Temperature Probe
SL	Mains On Light
TE	Temperature Controller
VC	Condenser Fan

A division of ITW Ltd

Foster Refrigerator
Oldmedow Road
Kings Lynn
Norfolk
PE 30 4JU

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