5407383 Issue 1 May 2007

HOTPOINT FREESTANDING FREEZERS

Model Covered	Comm. Code
RZ150P	44354
RZ150G	44355

Service Information

Indesit Company UK Ltd

HEALTH AND SAFETY

For the servicing of refrigeration products, containing Isobutane R600a refrigerant.
These instructions are in addition to any other Company procedures already published.
Published primarily for Indesit Company engineers working in the UK or Southern Ireland, for which these instructions are MANDATORY.

1. Only engineers who have been trained on the safe handling of Isobutane R600a refrigerant are authorised to transport, store or carry out system repairs.
2. This manual is not intended as a comprehensive repair/maintenance guide to the appliance.
3. Must only be used by suitably qualified persons having technical competence, applicable product knowledge, suitable tools and test equipment.
4. Servicing of electrical appliances must be undertaken with the appliance disconnected (unplugged from the electrical supply).
5. Servicing must be preceded by earth continuity and insulation checks, plus refrigerant leak detection.
6. Personal safety precautions must be taken to protect against accidents caused by sharp edges on metal and plastic parts.
7. After servicing, the appliance must be rechecked for electrical safety.
8. Smoking, naked flames, or operating gas and/or electrical equipment (including cordless power tools) are forbidden within the storage area, working area and vehicles used to transport Isobutane.
9. The carrying case for the scales and refrigerant must display a red flammability label Part Number 8100063 that should be visible and readable at all times.
10. The vehicle and storage area must be ventilated as far as is reasonably practicable and the aluminium case kept out of direct sunlight. The storage temperature of Isobutane should not exceed 50°C.
11. The vehicle transporting Isobutane (R600a) refrigerant must display a Red Flammable Gas warning sticker (Part Number 8100063).
12. Engineers should not wear clothes that are liable to cause static discharge ('electrostatic sparking').
13. Avoid working in small rooms.
14. Do not work in cellars.
15. Whenever possible move the appliance into a larger open area away from possible ignition sources.
16. Request the customer to turn off all other electrical and gas appliances in the near vicinity of the repair and note that it is done.
    Customers should be advised to restrict activity within the near vicinity for a short time.
17. Isobutane refrigerant must be vented to atmosphere, (outside of the premises e.g. via open window through the clear plastic hose supplied).
18. Isobutane is heavier than air and must not be vented within 3 metres of the following: sewer cover, cellar, drain or any similar construction lower than ground level, boiler air inlet/outlet, or near any possible source of ignition.

continued...

HEALTH AND SAFETY

19. Working with a naked flame i.e. soldering or brazing is forbidden. Unless otherwise stated, pipework connections must only be made using the Lokring coupling system.
20. Electronic leak detectors with high voltage tips must NOT be used with any Isobutane (R600a).
21. All equipment used for this activity must be checked regularly and maintained in a safe working condition; parts must be replaced as required.

Information Regarding Isobutane Canisters

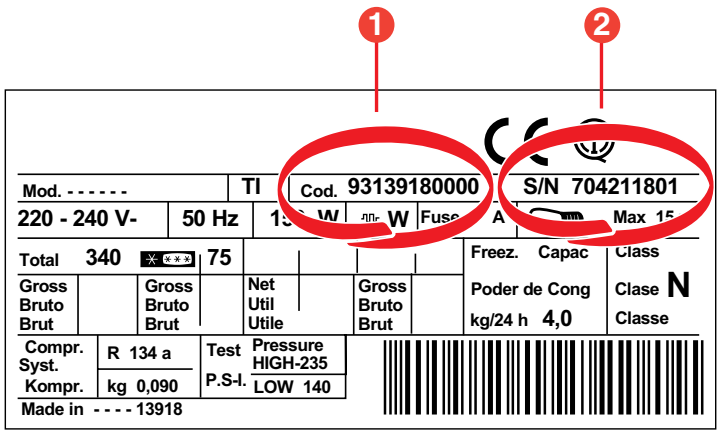
1. The maximum quantity of Isobutane an engineer should hold or store at any one time is two 1kg net aluminium canisters, supplied individually as Part Number 2602600.
2. Canisters must be stored inside the aluminium case with the weighing scales for protection from possible damage and heat. The aluminium case must NEVER be placed next to a heat source or in direct sunlight.
3. Isobutane must only be dispensed to the appliance from the 1kg net aluminium canister placed in an upright position on the weighing scales provided.
4. All used canisters must be a returned as scrap and therefore, left out for the driver to collect and return for disposal.
5. Canisters must not be punctured or the internal valve damaged.
6. Before storing the canister it must have the extraction tap valve removed and the internal valve of the canister checked for leakage using leak detector (Leak Detector: Part Number 5700043).
7. All used canisters and those found to be leaking should be exhausted to atmosphere to ensure they are emptied completely. Refer to the following paragraph.
8. Refit the extraction tap if necessary, open the tap and then invert the canister.
   This must be done outside in open air away from buildings and ignition sources and complying with Item 18 on previous page.

THERMOSTAT REPLACEMENT

All replacement thermostats must have the capillary phial taped/insulated where it is routed past any electrical terminations, in the same way as the original one fitted to the appliance.
Replacement thermostats will not have the insulating tape already fitted and this MUST be done before the work is completed.

CONTENTS

PRODUCT IDENTITY



Example

1 Industrial Code:

93 13918 0000

0000 original production
Other numbers denote major production changes

Commercial Code*
*Vital for correct model information and system identification

Factory of origin

2 Serial Number:

7 04 21 1801

Build number that day, e.g. 1801th built

Day of manufacture, e.g. 21st of month

Month of manufacture, e.g. April

Year of manufacture, e.g. 2007

MODEL INTRODUCTION

The models included in this publication are 1500 and 1700 mm high static freezers that were introduced in March 2007. Models are A Band appliances with similar appearance furniture.

For colour information, refer to the Specifications page.

The appliance is 'static' design so defrosting is actioned manually. When the user defrosts the freezer, the defrost water drains into the liner base and is channelled to a drain hole exiting through a spout moulded into the plinth/kickstrip.

All models have wheels at the rear and adjustable feet at the front.

Doors are reversible, but do require a T20 Torx key to remove the plinth/kickstrip.

A thermostat mounted behind the control panel/top facia controls the temperature; the super freeze switch and indicator lamps are also mounted in the same area.

SPECIFICATIONS

Colours	Introduction Date - March 2007
Polar White	RZ150P
Graphite	RZ150G

GENERAL:

Manufactured in	Great Britain:
Appliance Type	Freezer
Static / Frost Free	Static
Door Reversibility	Yes
Plug/Cable	UK / 1.6M
Noise Level	A band models ~ 43dB - A+ band models 40dB
Climate Class (Rating Plate)	A band ~ SN.N.ST = 10°C to 38°C
Refrigeration Type	Static / Wire On Tube (WOT)

DIMENSIONS & WEIGHT:

Models:	RZ150
Height:	1500 mm
Width:	600 mm
Depth:	655 mm
Weight Gross:	61.2 kg
Weight Net:	58.6 kg

CAPACITIES / VOLUME:

	Gross Volume	Net Volume
Fridge	225 litre	194 litre
Freezing Capacities 24 hrs	20 kg	
Conservation Time	14 hours	

TECHNICAL DATA:

Power Supply Voltage:	220/240 V
Power Supply Frequency:	50 Hz
Absorption Current:	Normal Operation 0.7 Amps

COMPRESSOR WINDING Ω:

Manufacturer:	**JIAXIPERA**
Type I/D:	ZBT1114CY

Winding Resistance Ω:

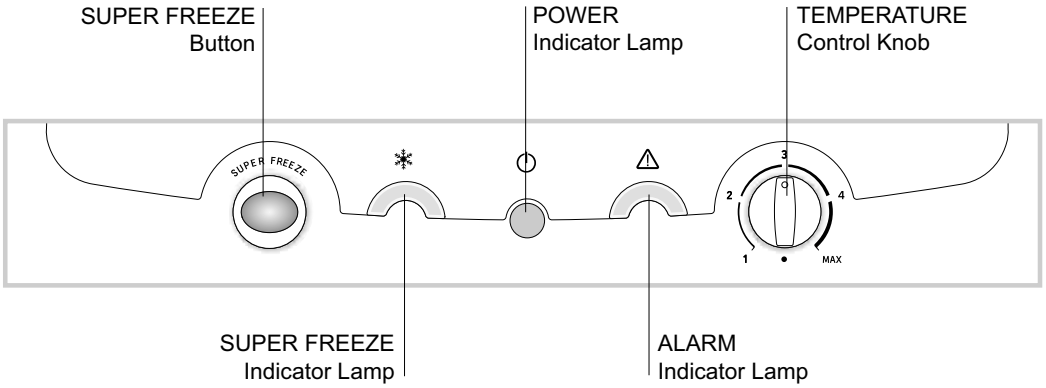
Start:	16.0
Run:	13.3
Refrigerant/ Grams:	R600a - Refer to the appliance rating plate

ENERGY:

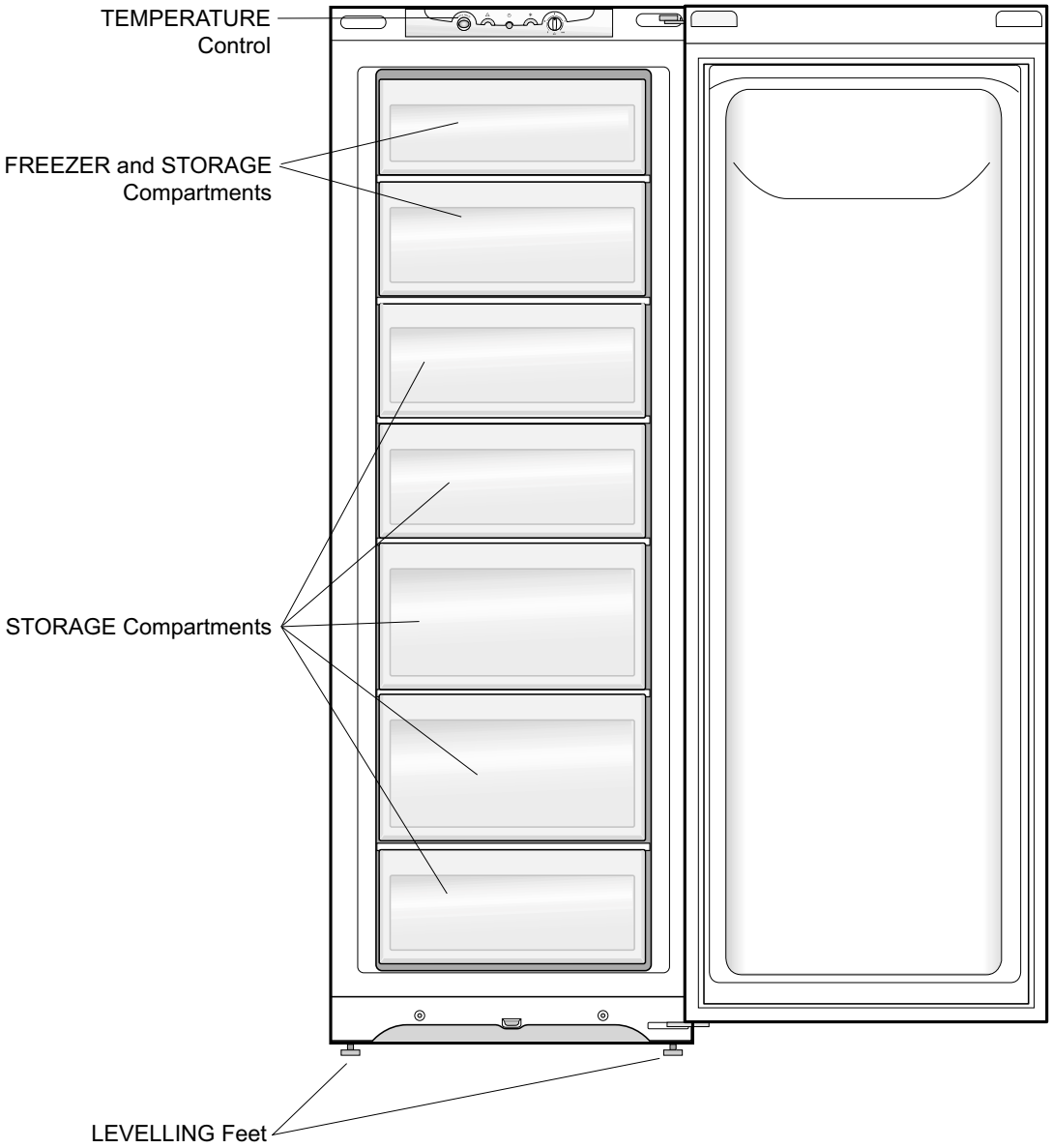
Model:	**RZ150**
Energy Class:	A
Power Consumption kWh/24hr:	0.72
Annual Consumption kWh/yr:	263

DESCRIPTION OF APPLIANCE:

TEMPERATURE CONTROL PANEL



APPLIANCE INTERIOR



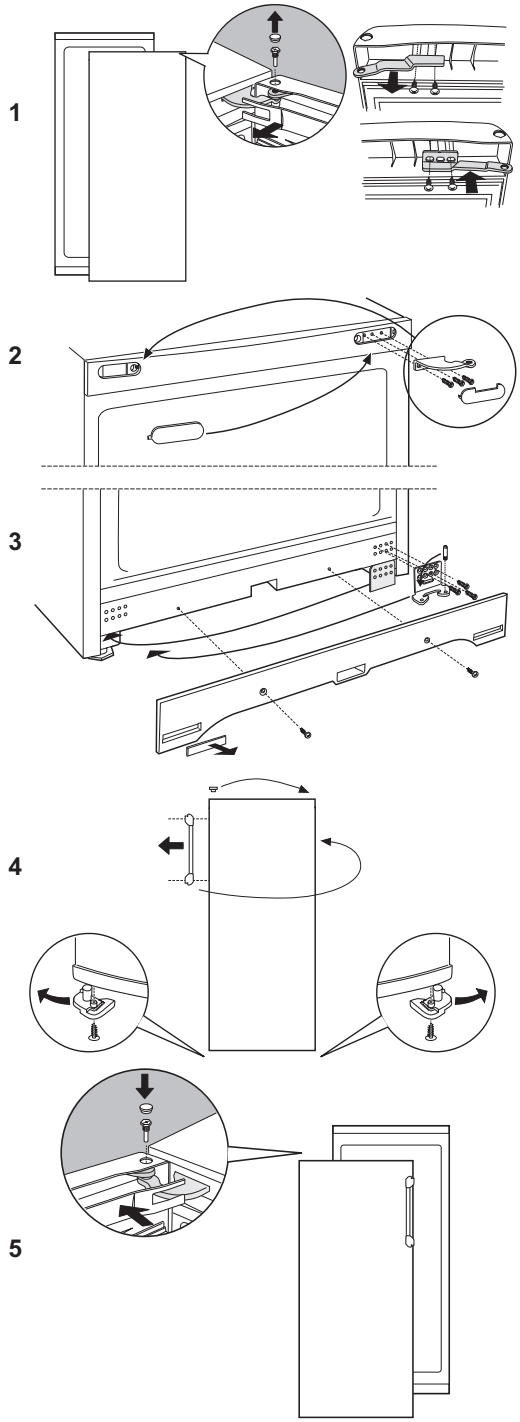
NOTES

REVERSING THE DOORS

Important Notes for Guidance:

Before commencing any work refer to the Safety Notes at the beginning of this manual. Read the instructions on the next page fully and refer to the diagrams below before carrying out the door reversal.

Also, before commencing the door reversal, you will require the left door closure aid normally supplied loose with the literature pack that comes with the appliance. If the closure aid is not available then it will need to be ordered before proceeding.



REVERSING THE DOORS

Fig 1: Removing the Door and Top Hinge fittings

Open the door and ease the hinge cover strip out from above the door seal; starting from the area nearest to the hinge. Also remove the plastic plug button above the hinge pin at the top of the door.

Remove the hinge pin, whilst supporting the door.

Lift the door from the lower hinge.

Remove the hinge arm and bush, affixed at the top of the inner door and transfer to the left hand side.

Fig 2: Top Hinge, Blanking Plates and transfer to left hand side

Remove the plastic insert at each end of the control panel.

Remove the top hinge. Invert the top hinge and transfer to the other side. Insert the blanking plates in the control panel but in reversed positions to the originals.

Fig 3: Plinth, Bottom Hinge and Fixing Plate removal and transfer to left hand side

Remove the screws (T20 Torx) securing the plinth/kick plate.

Remove the bottom hinge and its fixing plate. Transfer them to the other side. Remove the hinge pin from the right hand side of the hinge and retain until the plinth is in place.

Insert the plinth blanking plate (supplied with the appliance) to the right hand side slot. Using a suitable tool push-out the similar size moulded area on the left hand side. Refit the plinth and lower hinge pin, using the hole on the left hand side.

Fig 4: Grab Handle, Blanking Plugs and bottom Bush/Closure Aid

Remove the grab handle from the left hand side and the plug buttons from the right hand side and transfer them to the opposite sides.

Remove the right hand bush closure aid from the bottom of the door and retain for right hand hinging. Fit the left hand bush/closure aid supplied with the appliance to the left hand side and secure with the screw.

Fig 5: Refitting the Door and Hinge Cover Strip

Lower the door onto the bottom hinge pin and manoeuvre it into position to locate the top hinge and hinge arm with bush. Replace the hinge pin ensuring that it is tight.

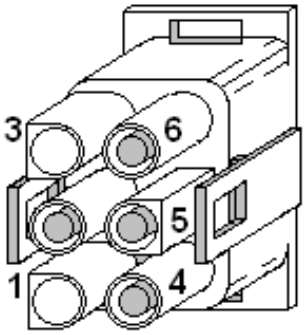
Replace the long hinge cover strip and the plug button at the top of the door.

Check that the door closes properly and that the door is sealing properly.

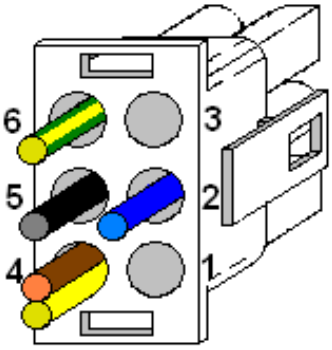
WIRING CONNECTIONS

CONTROL HARNESS PLUG

Front View



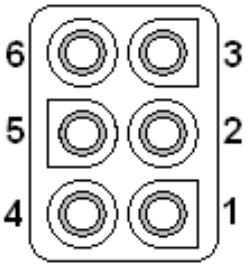
Rear View



1 ~ Not used
2 ~ Blue ~ Indicator Lamps Neutral
3 ~ Not Used
4 ~ Brown ~ Thermostat (3)
Yellow ~ Super Freeze Switch (3)
5 ~ Black ~ Thermostat (4)
6 ~ Green & Yellow ~ Earth

CONTROL HARNESS SOCKET

Foamed in Place



1 ~ Not Used
2 ~ Blue ~ Neutral
3 ~ Not Used
4 ~ Brown ~ Live
5 ~ Black ~ Compressor Overload
6 ~ Green & Yellow ~ Earth

THERMOSTAT CONNECTIONS

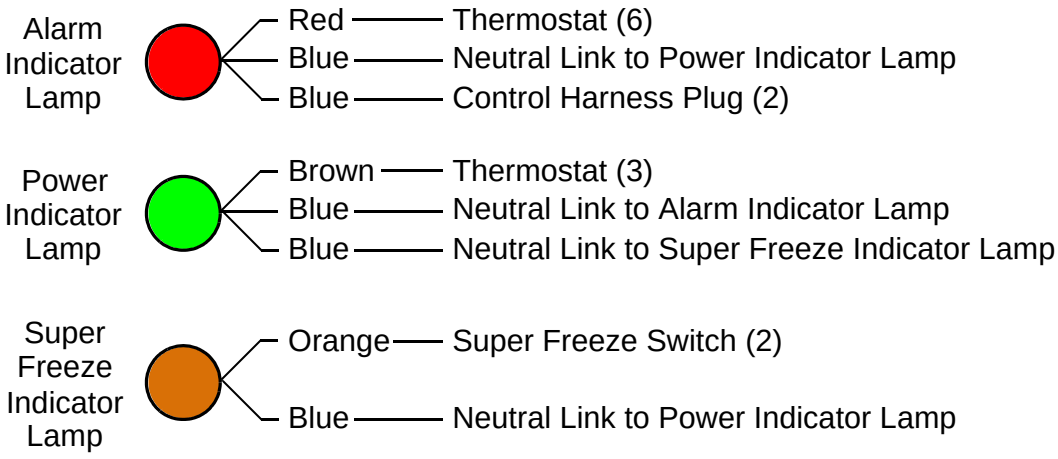
3	~ Brown x 2 ~ Power Indicator Lamp and Control Harness Plug (4)
4	~ Black x 2 ~ Super Freeze Switch (4) and Control Harness Plug (5)
6	~ Red ~ Alarm Indicator Lamp
⏚	~ Green & Yellow ~ Control Harness Plug (6)

WIRING CONNECTIONS

SUPER FREEZE SWITCH

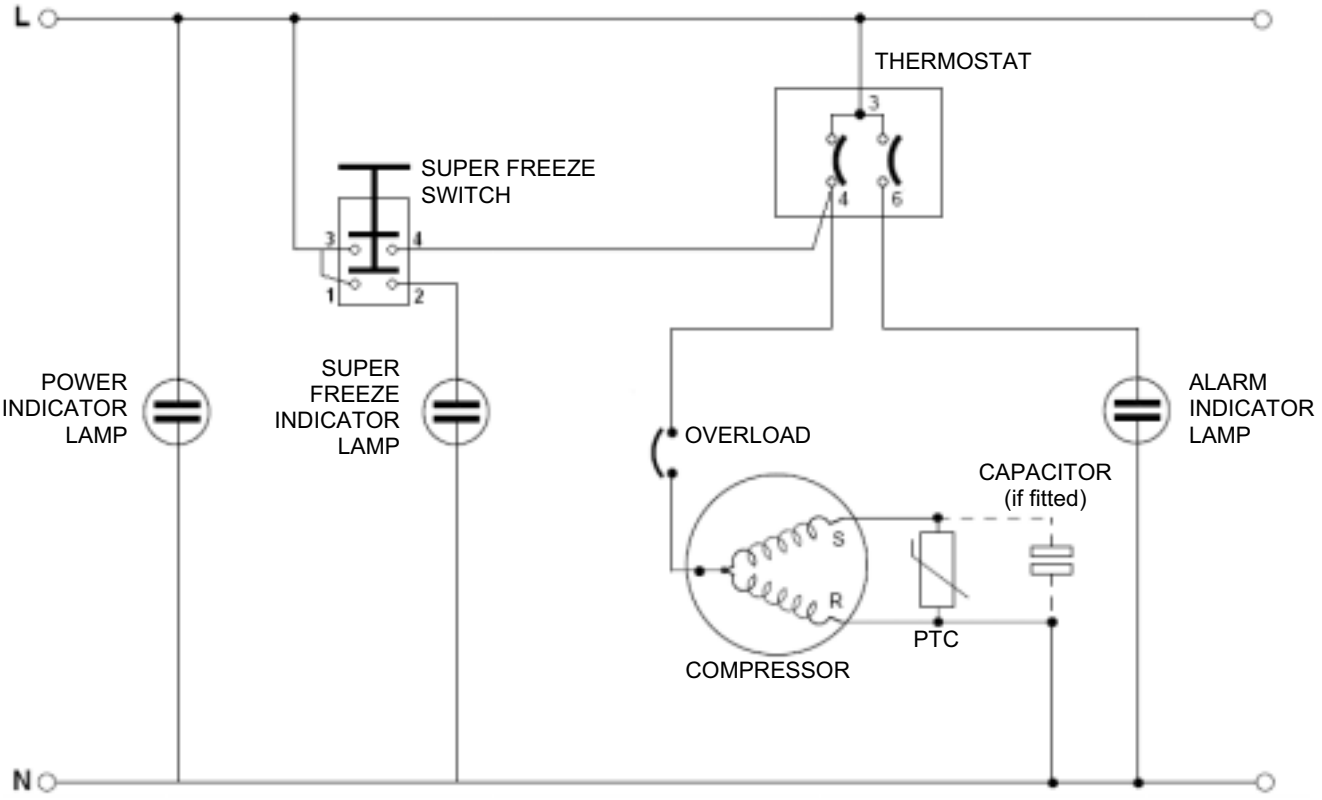
1	~ Yellow ~ Link from Terminal (3)
2	~ Orange ~ Super Freeze Indicator Lamp
3	~ Yellow x 2 ~ Link to Terminal (1) and Control Harness Plug (4)
4	~ Black ~ Link to Thermostat (4)

CONTROL PANEL INDICATOR LAMPS



THEORETICAL WIRING DIAGRAM

ELECTROLUX - (ACC/ZEM) & JIAXIPERA COMPRESSORS



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and
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