

CARTER RETAIL EQUIPMENT LTD

SD9 Integral Multideck Case Display

User Manual



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**Read this manual prior to operation of the cabinet.
This document must be kept with the equipment
for future reference.**

1.) Introduction

Thank you for choosing Carter Retail Equipment's SD9 Multideck Integral Display Case for your refrigerated display requirements. The case has been designed for impulse and promotional sales in a number of premium retail environments with the focus on maximising display area, merchandising flexibility and capacity, whilst minimising energy usage. The case is manufactured in both a 1005mm and 1505mm width with the option to multiplex, (i.e. join the cabinets to make a longer width). At 600mm deep the cabinet is ideal for limited shop floor space. Manufactured using quality refrigeration components and premium materials to ensure excellent wear and long use, the SD9 constitutes a sound purchasing choice.

Within this user manual you will find information to ensure trouble free operation for the life of the equipment.

Please feel free to contact the sales team at Carter Retail Equipment Ltd for any further requirements you may have, whether for a standard case or a bespoke requirement.

Contact Information

Please find contact information below. Office hours are 8.30am to 5.00pm Monday to Friday.

Sales Tel: +44 (0)121 250 1116

Sales Fax: +44 (0)121 250 1100

Sales E-Mail : sales@cre-ltd.co.uk

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2.) Key Features and Components

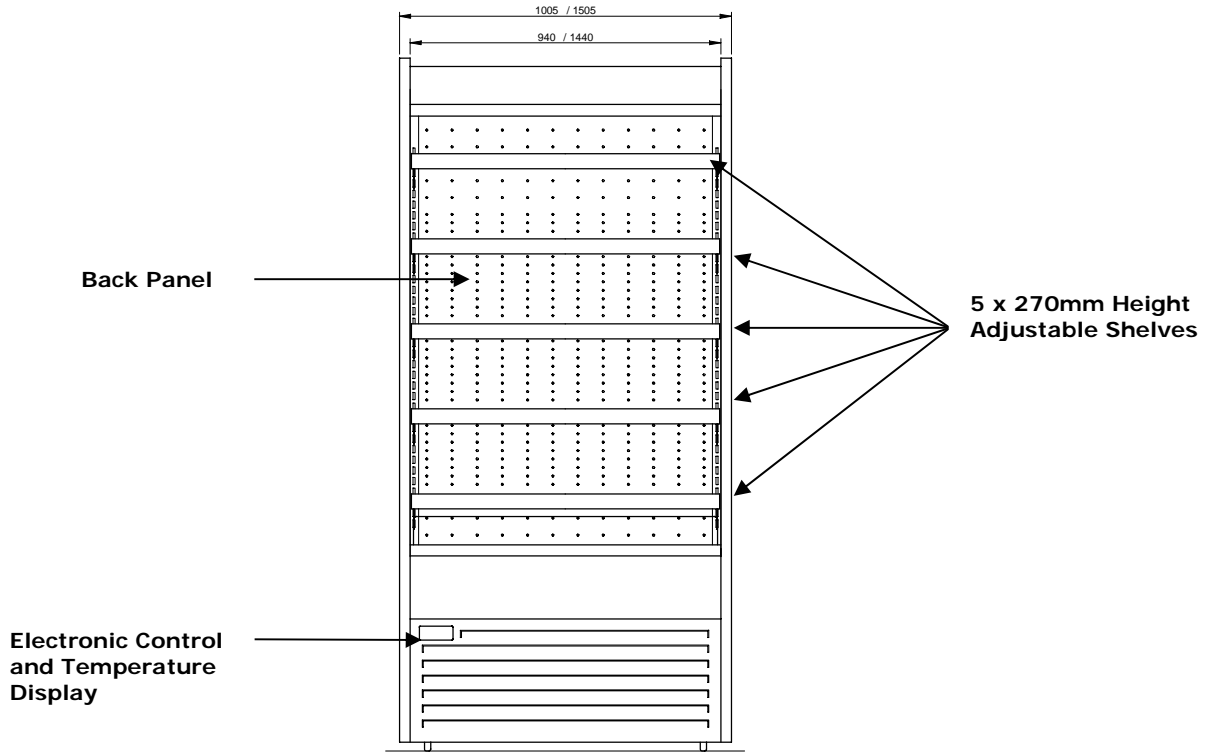
A self-service display cabinet for the sale of chilled pre-packed products

- 1.) Overall Width 1005mm / 1505mm
- 2.) Overall Depth 600mm
- 3.) Overall Height 2080mm
- 4.) 5 off 270mm Height Adjustable Flat Shelves with Integral Product Retainer
- 5.) 400mm Deep Base Deck
- 6.) 39mm Self Adhesive Ticket Strip Colour Coded to Complement External Finish
- 7.) Partially Glazed End Panels
- 8.) Energy Reducing Night Blind & Retaining Slot
- 9.) Canopy Lighting (Complete with Switch)
- 10.) Choice of Standard Exterior Finishes
- 11.) 2000mm Mains Lead and 13 Amp Plug
- 12.) Electronic Control and Temperature Display
- 13.) Spacer Bar. **Do not remove**

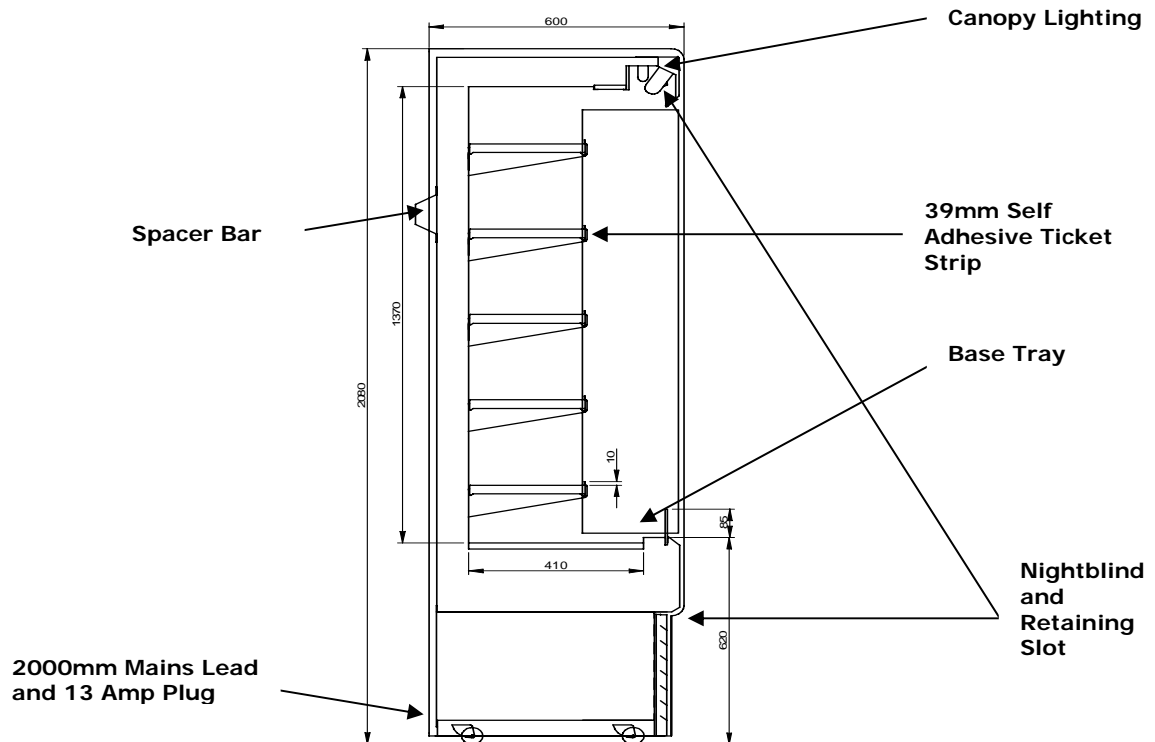
Please see the diagrams on the following pages which indicate where the key features and components are located on the cabinet.

3.) SD9 Drawings

Front View of Cabinet



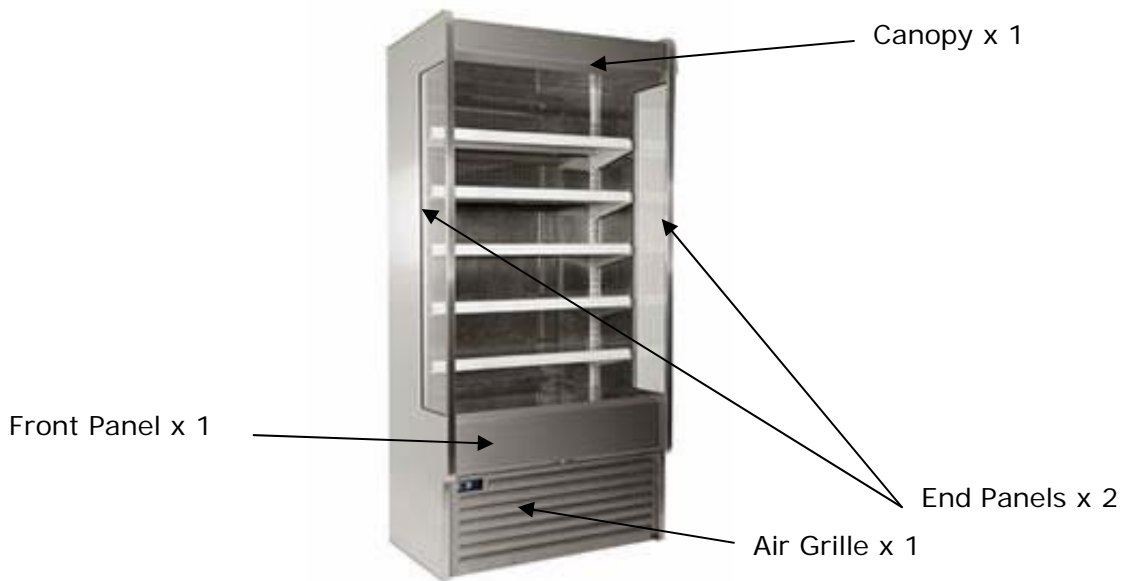
Side View of Cabinet



4.) Finishing Kits

Carter Retail Equipment Ltd has developed a product which enables a quick and cost effective refurbishment merely by replacing the external parts of the SD9, thereby negating the need to buy brand new refrigeration equipment outright. The canopy, air grille, end panels and front panel are all easily detached and replaced. A cabinet can be made up with a combination of any of the stock finishes, please contact the sales team to discuss your requirements.

Finishing Kit Components



Examples of Finishes Available From Stock

Beech Laminate
Satin Polished Stainless Steel
Circle Polished Stainless Steel
White Painted

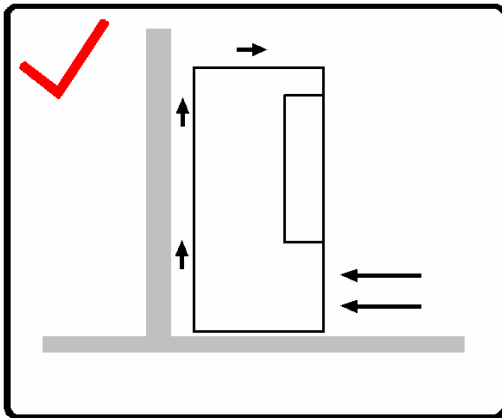
We can supply any combination of these colours for the end panels, front grille, front panel and canopy. As the customer, you can mix and match to your personal preference.

5.) User Instructions

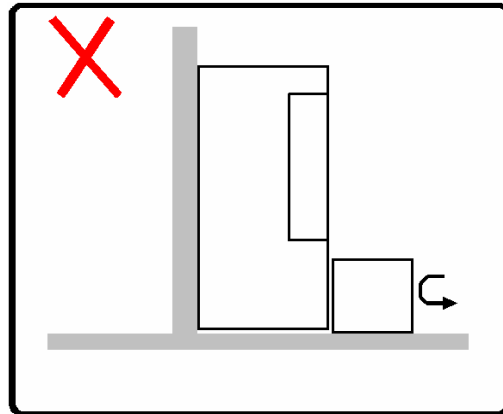
(a) Installation

- 1.) The SD9 is designed for use indoors and is suitable for operation in an environmental condition that does not exceed 25 Degrees Celsius / 60% Relative Humidity.

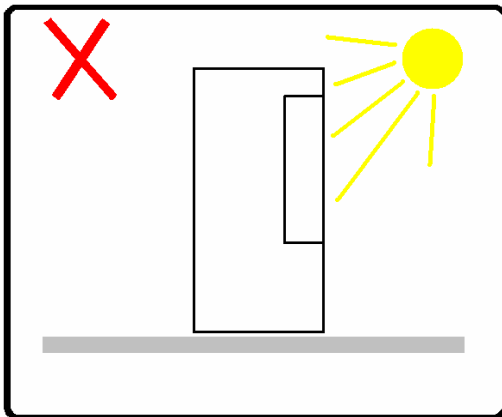
- 2.) The unit must not be located in areas where it will be subjected to excessive air movement, e.g. adjacent to doors, ventilation inlets/outlets, direct sunlight or adjacent to ovens or steam generating equipment. Incorrect siting of cabinets may affect temperature performance and increase energy consumption which may lead to abnormally high service issues. The unit must be located to allow adequate ventilation to the front and rear. A spacer bracket is attached to the back of the cabinet to ensure the required distance between the rear of the cabinet and the wall. **Do not remove the spacer bracket.**



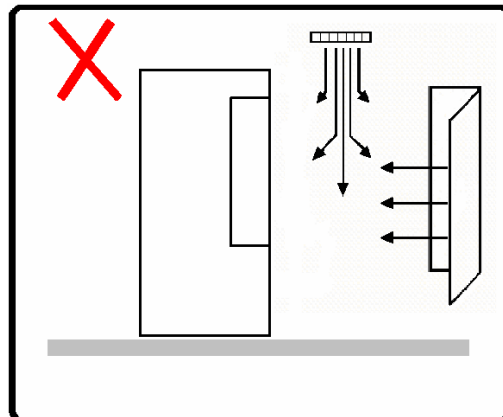
Ensure clear air flow at front and rear



Do not obstruct the airflow



Do not expose the cabinet to direct sunlight



Do not expose the cabinet to excessive air movement

- 3.) Once a suitable location has been identified, the unit can be moved into position. Castors are fitted to ease installation and future handling.

- 4.) A correctly rated power supply with circuit breaker (CRRD) must be installed adjacent to the cabinet by qualified personnel. Carter Retail Equipment Ltd accepts no responsibility for any personal injury or property damage arising from incorrect installation. Please refer to the rating plate on the cabinet.

Please contact a qualified electrician for any electrical issues.

- 5.) If the cabinet has been tilted during installation, a period of 12 hours must be allowed for the cabinet's compressor to settle prior to connecting to an electrical supply.

Warning – Compressor malfunction may occur if this is not adhered to.

6.) If the cabinet starts to perform erratically or stops functioning, contact your refrigeration maintenance and service contractor.

(b) Product Loading and Operation

1.) **It is essential the refrigerated airflow inside the cabinet is unobstructed by product.** In order to reduce the frequency of re-stocking it is often a temptation to overload a cabinet. Products must be stocked within the confines of the shelves and the base tray area only.

2.) **All display cabinets are designed to maintain product temperatures, not reduce the temperature of products.** Products must be placed in the cabinet at the correct storage temperature.

3.) Overloading may cause failure of support brackets and/or shelves, leading to potential injury to personnel. Safe maximum load is 30kgs per shelf for 1005mm cabinets and 45kgs per shelf for 1505mm cabinets.

Warning – Always observe maximum safe working load capacity of shelving.

4.) The SD9 cabinet is fitted with a nightblind.

a.) For optimum energy efficiency ensure the blind is pulled down during non-trading hours.

b.) The blind has a bracket attached, when pulled down this can be secured in the slot provided below the front panel.

5.) Only use shelving and accessories provided by Carter Retail Equipment Ltd.

6.) Remove all produce from the cabinet prior to disconnecting from the electrical supply.

(c) Cleaning

1.) Prior to any cleaning operation it is essential to disconnect the cabinet electrical supply.

2) To ensure optimum performance we recommend the SD9 must be cleaned as follows:

a.) All external panels to be cleaned every two weeks

b.) All visible internal panels (i.e shelves, base tray and back panel) every month.

There is no need to gain access to the refrigeration equipment components. This must only be carried out by qualified personnel.

3.) The areas indicated should be thoroughly cleaned using a mild soap or detergent, luke warm water and a soft damp cloth.

Warning – Do not use abrasive cleaners and only use a soft cloth. Never use inflammable or scouring agents.

4.) Only clean glass surfaces with glass cleaning products.

(d) Maintenance

There are no user serviceable parts within the cabinet. All servicing of the display cabinet refrigeration and electrical systems should be undertaken by qualified personnel.

1.) We recommend a service and maintenance contract should be taken out for this equipment. Details of refrigeration and air-conditioning personnel within your local area can be found in a telephone directory.

2.) Carter Retail Equipment Ltd recommends the following must be checked as a minimum by your refrigeration service and maintenance contractor every three months:

- a.) That control set points are correct
- b.) That no refrigerant leaks are present
- c.) That there are no motor failures
- d.) That all heater elements are in working order
- e.) That a full electrical safety check is conducted
- f.) That all refrigeration components are cleaned

5.) Should your maintenance service provider require any additional information they can contact Carter Retail Equipment Ltd on 0121 250 1116.

(e) Warranty Information

1.) **Warranty Period.** All SD9 cabinets are supplied with a twelve month parts only warranty.

2.) **Extent of Warranty.** Carter Retail Equipment Ltd covers all parts for the period of twelve months. The warranty period is effective from the date of delivery. Labour and any other associated costs for the fitting of components are not covered. Carter Retail Equipment Ltd accepts no liability or claim for stock loss or damage to the equipment or surrounding area due to component failure.

3.) **Component failure within 24 hours of delivery.** Failure of components within the first 24 hours should be reported to Carter Retail Equipment Ltd who will arrange a replacement or onsite repair.

4.) **Component failure beyond initial 24 hours from delivery.** Replacement components for items failing should be ordered through your refrigeration service and maintenance contractor who will place an order with Carter Retail Equipment Ltd. If the failure is during the twelve month warranty period, it must be highlighted that the component is a 'Warranty Issue' at the time of order placement. Failed components should be returned to Carter Retail Equipment Ltd for assessment. Credit against the purchased replacement component will be issued where the claim is accepted.

5.) We recommend that spare parts to maintain your cabinet outside of the twelve month warranty period should be purchased through Carter Retail Equipment Ltd.

(f) Temperature & Electronic Display Information

1.) The integral digital display and controller requires no user intervention and has been fully factory preset.

2.) The display normally shows a calculated temperature usually between +2°C and +7°C.

3.) At other times the display may show the following:

dF – During defrost (Six defrosts per 24 hours.)

rc – Recovery after defrost (Six defrosts per 24 hours.)




A1 – Either Hi or Lo alarm coupled with audible buzzer (Refer to product loading and operation instructions. If problems persist, contact your service contractor.)

P1 – Air off probe failure (Contact your service contractor.)

P1 – Defrost probe failure (Contact your service contractor.)

6.) SD9 Rating Information

Electrical Supply – 230v 1ph ac 13amp supply suitable for motor rated protection. We recommend that the supply be protected by a residual circuit current device (RCCD) commonly referred to as a circuit breaker.

	<small>Carter Retail Equipment Redhill Road Birmingham Tel +44 121 250 1000</small>
SERIAL No <input type="text" value="XXXX"/>	MODEL <input type="text" value="SD9 1005"/>
Refrigerant <input type="text" value="R404A"/>	Total Load <input type="text" value="1100"/> w
Charge <input type="text" value="780"/> g	Voltage <input type="text" value="230"/> V a.c.
Date <input type="text" value="20 05"/>	Frequency <input type="text" value="50"/> Hz
<small>Max working pressure high side 24.8 Bar Max working pressure low side 12 Bar</small>	
	
<small>SD9-100E?????</small>	

7.) Directive Compliance

This equipment is designed and manufactured in compliance with the following EU directives:

Low Voltage Directive (LVD) 73/23/EEC

Electromagnetic Compatibility Directive (EMC) 92/336/EEC

Pressure Equipment Directive (PED) 97/23/EC

8.) Refrigeration Disposal

Disposal of your equipment at the end of its life must be carried out in accordance with relevant legislation in force at that time.

For guidance on this please consult your local authority.