

Defib Store 4000

Installation & Maintenance guide

RECEIVED

By A King at 3:46 pm, Jul 10, 2024

Defib
STORE

Thinking inside
the box



Defib Store 4000 Cabinets

DFS4K442LLE
DFS4K442PLLE
DFS4K442LXE
DFS4K442ULE
DFS4K442PULE
DFS4K442UXE

www.defibstore.co.uk
01298 872186

“

Saving a **Life**



deserves the
BEST *protection*”

1

Thank you for selecting this Defib Store cabinet

Outdoor Defib Store 4000 polycarbonate enclosure with heating, lighting and secure access features.

Designed and manufactured by Defib Store Ltd

Manufactured in the UK, our outdoor defibrillator enclosures are designed to protect your device, giving you peace of mind that your AED is safe and ready for rescue. Defib Store only selects quality components to produce a robust and industry leading solution at an affordable price.

Please ensure all instructions & maintenance guidelines are followed to keep your warranty valid.



Make sure you register your defibrillator on the National Defibrillator Network so others can find your device in an emergency.

To register your defibrillator or for more information go to:
www.thecircuit.uk

2

Table of contents

1 Product Recording	P4	5 Maintenance	P15
2 Product Specification	P5-7	6 Warranty	P16
3 Enclosed Parts	P8	5 Accessories	P17
4 Installation	P9-14	6 Notes	P18



DO NOT ATTEMPT TO MODIFY THIS CABINET



It is imperative that only the supplied fittings in the fastening kit are used for the installation to ensure warranty and integrity.



Please ensure all installation instructions and maintenance guidelines are followed, in order to keep your warranty intact.



For coastal locations (within 5 miles from the coast), defibrillators should be housed in our polycarbonate cabinets.



Please ensure all installation works are conducted by a qualified electrician.

Product Recording

Please record your product details below and retain this information. This information will be useful in the event you need accessories or service and required for warranty purposes.

Date Purchased	<input type="text"/>	Supplier	<input type="text"/>
Serial Number	<input type="text"/>	* Date Installed	<input type="text"/>
Access Code	<input type="text"/>	**	

* The serial number will normally be located on the cabinet data label on the underside of the cabinet
**Your access code has been set at the factory. Please note changing your lock code could void your warranty. Please speak to your supplier if you are considering changing the code.

Please note!

Please remove access code label from the viewing window prior to installation.
Access code should be shared with the electrician/installer if required and when you register your defibrillator.

Product Specification

The Defib Store 4000 has been designed and manufactured with the following features to ensure it provides the highest levels of protection and security for your emergency equipment.



Durable Construction

This cabinet is manufactured in high impact, UV resistant polycarbonate. Its clamshell design and strength of the polycarbonate ensures the AED is protected from tampering, vandalism, theft and adverse elements.



Resistance to Dust and Water Intrusion

The model 4000 has an Ingress Protection (IP) rating IP66. IP ratings are defined by an International standard which classifies and rates the degree of protection provided by mechanical casings and enclosures against intrusion by dust, accidental contact, and water. With a rating of IP66, this enclosure is dust tight and protected against powerful jets of water, providing a very high level of protection from the harshest of environments such as rain, snow, wind blown dust and all kinds of other outdoor hazards.



Fire Retardant

Your product is fire resistant and has a UL94 classification of V-0. UL 94 is the standard for safety of flammability of plastic materials for parts in devices and appliances testing and is a plastics flammability standard released by Underwriters Laboratories of the United States.

Product Specification

The standard determines the material's tendency to either extinguish or spread the flame once the specimen has been ignited. Having a UL94 V-0 classification, combustion is not sustained for more than 10 seconds after applying a flame or inflamed drips of particles.

Secure Access

This cabinet provides secure access through the use of a durable marine-grade lock. This marine-grade lock is salt spray tested. Salt spray corrosion testing according to ISO 9227 is a century old mainstay in corrosion testing. Salt spray tested to 1000 hours and 50,000+ cycle tested, the marine grade lock is proven to be highly durable and designed to operate in the harshest of conditions.

Because your lock is mechanical, electrics are not needed for access.



Lighting

All our cabinets are equipped either with either a battery powered, motion sensing LED light or a strip of LED lighting which can permanently illuminate the cabinet.

Viewing Window

The model 4000 has a large viewing window enabling inspection of the AED status without the need to open the cabinet. The window is made of high impact UV resistant polycarbonate.

Thermostatically Controlled Heater

This cabinet uses a positive temperature coefficient (PTC) heater that provides efficiency and safety. PTC are more reliable, safer, and cost effective than traditional resistance wire-type heaters. The thermostatically controlled PTC heater will automatically start when temperatures begin to fall towards freezing.



Heating power	50W	IEC protection class	II
Power supply	110-250V AC/DC	IP rating EN60529	IP20
Dimensions H*W*D	110*60*90	Radiator	Plastic UL94 V-0
Max current	2.5 A	Clip installation for DIN rail	35mm
Heating element	Self-regulated PTC	Weight	0.3kg
Electrical connection	4-pole Terminal board	Conformity	UKCA

Separate all parts from the packaging material and check each item carefully. Make certain that all items are accounted for before discarding any packaging material.



Defibrillator Cabinet



Fixing kit



Installation Guide



*4 x AAA Batteries



*Sensor LED light

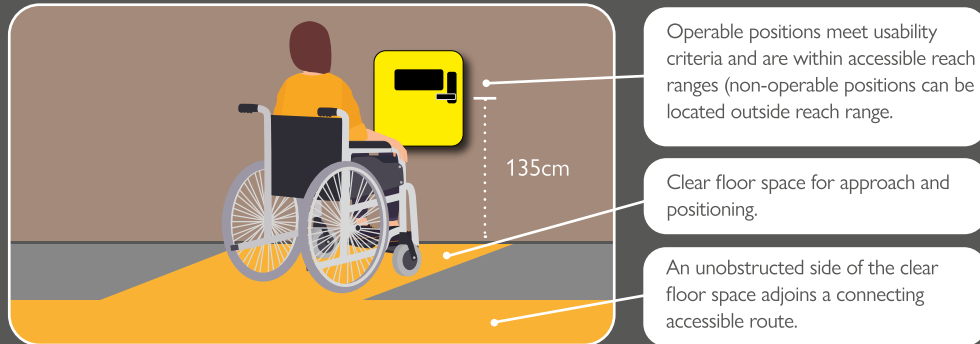


If any of the items above are missing, please contact your supplier immediately.

*Sensor LED with batteries optional

Things to consider when positioning the cabinet

- The cabinet weighs 10kg (22lb) so ensure that the wall that you are fixing it to is in a sufficiently good state to anchor the cabinet.
- The cabinet should be installed onto a flat surface, If fastened on an uneven wall, purchase of the optional mounting plate is highly recommended.
- Avoid placing the cabinet beneath guttering/eaves to ensure water doesn't get into the cabinet on opening.
- In accordance with legislation, the height to reach the handle of the enclosure should be no more than 135cm high (See Image).



The cabinet is Class II double insulated, meaning it has two layers of protection and therefore does not require an earth connection / grounding.

This cabinet must be installed/protected using a 3 amp fused spur or RCD from the 240V supply

Electrical Connection Information

This cabinet is 240v mains fed and should be installed in accordance with legislation BS7671/SEC 411. Installation of this cabinet should be carried out by a qualified electrician.

Installing the Cabinet

Tools required for installing your cabinet



Spirit Level



SDS Drill



8mm & 15mm masonry drill bits



Pozi screwdriver



Hammer



Tape Measure



Pencil



Safety Glasses

Fixings included in The Box

A 100mm Screw (X4)

B Wall plugs (x4)

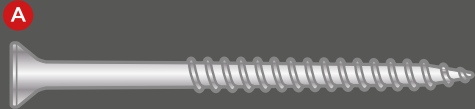
C 26mm Rubber Washer(x4)

D 12mm Plastic Collar (x4)

E 14mm Rubber Washer (x4)

F1 25mm Spacers 5mm Thick (x4)

F2 25mm Spacers 10mm Thick (x4)



Yellow section represents the cabinet



D

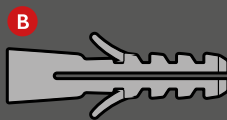
C

E

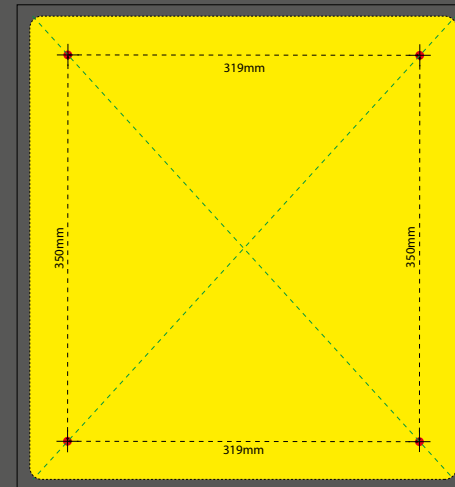


F1

F2



B



Drill Template

NO ADDITIONAL HOLES SHOULD BE DRILLED IN THE CABINET AND THE CABLE GLAND SHOULD BE SCREWED UP TIGHTLY AS THIS MAY CAUSE WATER INGRESS TO THE CABINET AND WILL VOID THE WARRANTY.

Mounting the Cabinet

- As per the drilling template, drill the wall at the four marked points using a 8mm diameter 165mm long masonry drill bit. Clean out any remaining debris from inside and around the hole.
- Insert the nylon wall plugs into each hole and using a hammer, tap them in until they are flush with the wall.
- At this point you will need to decide where you are going to be bringing in the power cable.
- Use the 16mm masonry drill bit to drill the hole through the wall for the cable to go through.
- Feed the power cable through the rear cable gland of the cabinet and then position the cabinet to the wall. Two people are needed for this step.
- Use the fixing kit provided
- The fixings need to be assembled as per the diagram to ensure that the cabinet is watertight.
- Use the spacers (F1/F2) on uneven wall surfaces to ensure that the cabinet is fixed squarely onto the wall without any twisting. If the cabinet is not fixed to the wall correctly using these spacers, then the enclosure may become distorted and may cause issues with closing the door.

Once all four bolts are located put the spirit level on top of the cabinet to ensure the cabinet is sitting level. Then tighten each bolt equally until the cabinet is firmly attached to the wall.

Mounting the Cabinet

AT THIS POINT THE MAINS CABLE CAN BE CONNECTED TO THE FUSED OUTLET SPUR AND THE CIRCUIT TESTED

- Switch on power and test the circuit.
- If your cabinet includes a battery operated light put the batteries supplied (4 x AAA) into the light and attached the light to the pre-installed magnetic strip at the front of the roof on the inside of the cabinet.
- Your battery operated light will only illuminate in darkness when there is motion.
- Finally tighten the cable gland around the incoming cable, by doing this the gland will produce a watertight seal around the cable.

Note:

The heater is controlled by a thermostat that is set to come on at or below temperatures lower than 8 degrees celcius, and has been tested in our factory before delivery.

THE CABINET IS NOW OPERATIONAL

NB: Close door firmly with intention so lock engages.

If you are having any problems once the enclosure is installed, please contact your supplier immediately.

Do not make any attempts to alter the cabinet as this will void the warranty

Advised Regular Maintenance

- Regular inspections & maintenance is essential and should always be documented.
- Neglect is a common cause for defibrillator failure. It is essential that your AED and emergency equipment is inspected regularly. Please refer to your defibrillator manufacturer for product specific information related to inspection and maintenance.
- In the event of a product or part failure, please contact your distributor. The distributor will gather the necessary details regarding the issue and provide guidance regarding replacement parts as needed. Please note that labour is not covered by your warranty.
- Apply lubricant eg. GT85 to the lock keypad frequently to lubricate and clean the locks internal mechanisms. Oiling the keypad buttons should be undertaken regularly if the cabinet is located within 5 miles of the coast.
- Your cabinet should be checked weekly for a general check, testing the lock to see that it remains fully functional, the light illuminates on opening when it is dark and to ensure that the defibrillator and other emergency equipment is in a state of readiness.
- If the battery operated light does not illuminate in your weekly check, this will be due to the batteries depleting, replace the 4 x AAA batteries every 12 months to prevent this.
- Clean the outside of the cabinet on a monthly basis.

Warranty

Defib Store offers a 10-year warranty on the shell of the cabinet (assuming there is no evidence that the installation and maintenance instructions have not been followed).

Regular maintenance in accordance with our guidelines extends the life of the cabinet. For electrical or component failure, Defib Store offers a 5-year warranty on the heater and light (excluding replacing light batteries).

Lock functionality: 5-year warranty against mechanical malfunction of the lock – not caused by corrosion (see above Advised Regular Maintenance).

In the event of a product or part failure, please contact your distributor. The distributor will gather the necessary details regarding the issue and provide guidance including replacement parts as needed. The warranty covers the product. Please note that labour is not covered by your warranty.

The warranty only covers the products and not the installation.

Vandalism is not covered under the warranty, however, many of the cabinet parts are replaceable and available for purchase.

Both products and labour will be chargeable in the event of vandalism.



Need Signage?



Need Defibrillators?



Other Emergency Equipment?

Contact Your Distributor for Assistance!





www.defibstore.co.uk

Defib Store Ltd, Units 1-4 Tideswell Business Park, Tideswell, Derbyshire. England SK17 8NY

Tel: +44 (0) 1298 872186

E-mail: sales@defibstore.co.uk