LIFEV/AULT™

Temperature controlled **AED cabinet**

Installation and Usage

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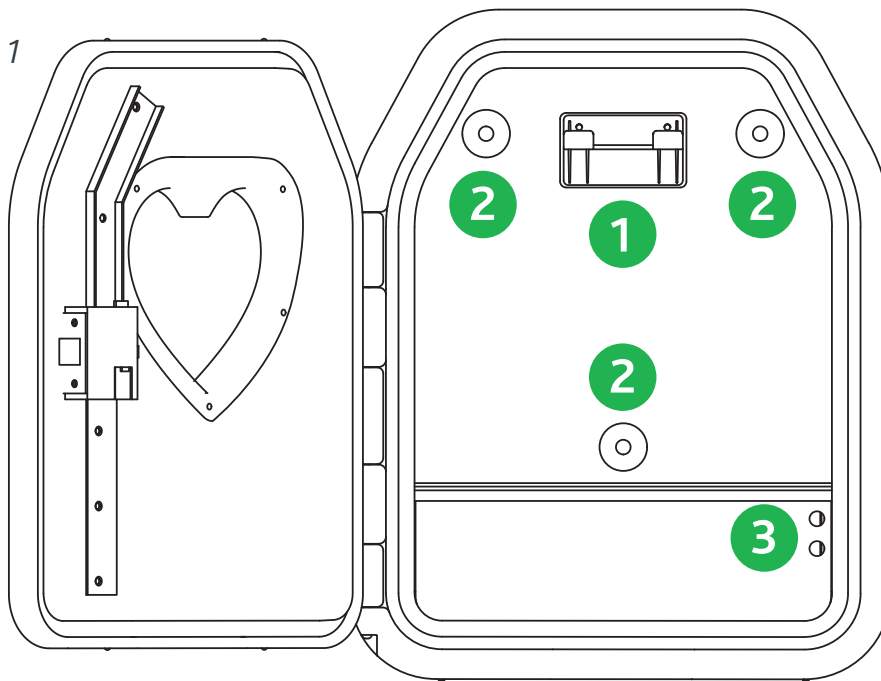# LifeVault Temperature Controlled AED Cabinet

The LifeVault Temperature Controlled AED Cabinet is designed to store Automated External Defibrillators (AEDs) at an optimal storage temperature. LifeVault is designed for use with all current models of AED. There are two models of LifeVault, 7900 – which features a keypad lockable door and 7901 which is not lockable. LifeVault is double wall insulated, featuring an automatic heating and cooling system to maintain an optimal storage temperature between 10°C and 40°c.

Key Features

- **Temperature Control:** Automatically adjusts to maintain an optimal storage temperature for your AED.

- **Internal LED Lighting:** Automatically illuminates the cabinet interior in low-light conditions.

- **External LED Lighting:** Optional green LED surround light for easy location. Flashes red when door is open.

- **Alarmed:** Alarm sounds when cabinet door is open

- **Vandal-Proof Construction:** Strong, sturdy, and tamper-resistant for maximum security.

- **Weatherproof IP66 Rating:** Suitable for both indoor and outdoor installations.

- **Keypad Lock (7900 only):** for secure access with PIN.

- **Unlocked Version (7901):** Available for environments requiring free access to the AED.
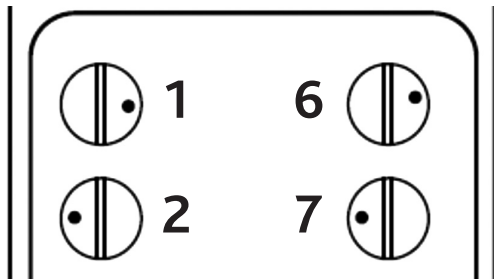
Assembling the Cabinet

Fig. 1

1	AED hook
2	Mounting holes
3	External lighting ON/OFF switch

1. Set Cabinet Code (7900 lockable version only)

⚡ **IMPORTANT: Make a note of the locking code and keep in a safe place as you will not be able to unlock the cabinet without the code.**
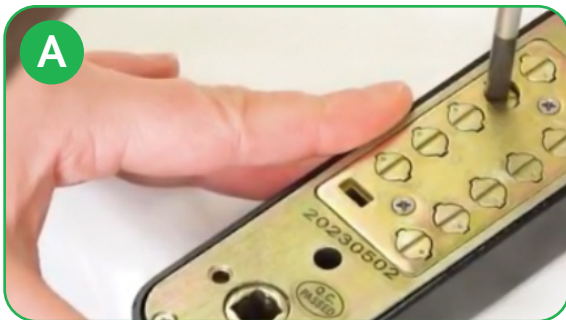
Fig. 2

For example, set like this:
1 and 7 will be set as part of the code,
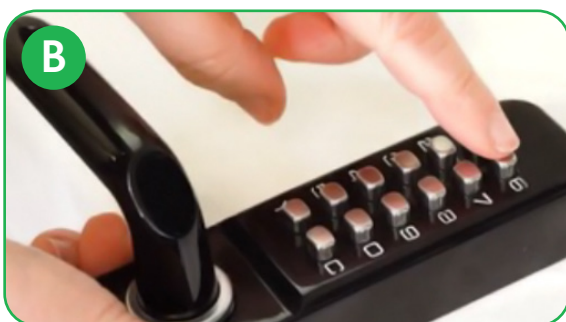**2 and 6 would not.**

Set the Cabinet Code

On the back of the handle, there are rotating circles next to each individual number (see Fig 2).
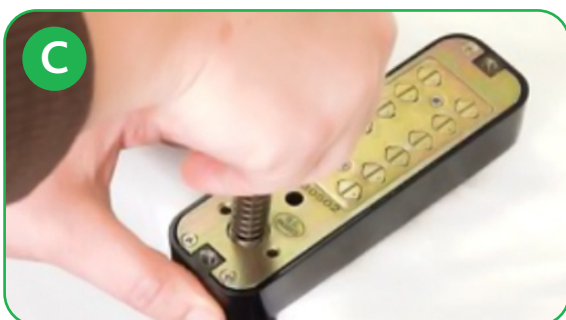
On each of the rotating circles, there is 1 small, inverted dot. If the dot has been rotated to face inwards towards the number, it is set as part of the lock code (see diagram to the left).

Use a screwdriver to rotate the dot as required. There is no set order to the chosen sequence; for example, if 145Y has been set, entering 154Y or Y154 or 451Y or 541Y will also open the cabinet. The pin code digit can be up to 11 digits long.

Once the code is set as desired, make sure to test the code before re-attaching the lock parts to the door.

Insert the lock spindle when doing this. Re-attach the 3 lock parts using the screws to secure from the back of the cabinet door behind the lock.

2. Install the Door Handle

The lock is supplied in 3 parts: the handle, black rubber seal and metal spindle.

Insert the metal spindle into the handle and attach it to the front of the LifeVault cabinet, using the 2 screws.

7900   **7901**

WARNING: Do not attempt to disassemble the lock handle.

3. Wall-Mounting the Cabinet

Installation should be carried out by a suitably qualified professional.

Tools required for installation: electric drill, hammer, spirit level, marker pen to mark drill holes.

- Select an installation location – ideally a highly visible, prominent public, unobstructed location that and can be easily accessed by anyone (including those who are in wheelchairs) in an emergency. Ensure that the cabinet is located near a power source. The recommended installation height is c. 1.2 metres from the ground for ease of access. To ensure the safe operation of the LifeVault cabinet, please ensure the base of the unit is unobstructed, allowing at least 30cm space below the cabinet for effective airflow.

- Open the AED cabinet. Use the three mounting holes on the interior of the cabinet as a guide to mark drill holes.

- The LifeVault cabinet should be securely and safely attached to the wall with suitable expansion bolts. Select a drill bit with a suitable diameter and length. Use an electric drill to bore holes at the pre-marked positions. The depth of the holes should be slightly greater than the length of the expansion bolts.

- Insert the 3 expansion bolt metal sleeves into the drilled holes. Use a hammer to make the metal sleeves flush with the wall if necessary.

- If required, drill a hole for the power cable. Drill the hole into the wall at a slightly upward angle to avoid water ingress and feed the power cable from the cabinet through the hole to connect to the power supply (see power supply below).

- Lift the cabinet and align the 3 holes in the LifeVault with the 3 expansion bolts and securely fix the cabinet to the wall with fixing bolts from inside the cabinet, tighten the bolts to ensure the cabinet is safely secured to the wall. An additional person to help during installation is advised.

4. Using the Power Supply

- The LifeVault cabinet should be connected to the mains supply by a qualified electrician. Always ensure that there is a Residual Current Device (RCD) within the circuit.

- Ensure that the power cable is safely routed and does not pose a tripping hazard.

⚡ Storing the AED

- Place the AED on the hook inside the cabinet. The interior is designed to hold your AED securely.
- The temperature control system will automatically adjust to keep the AED within its safe storage temperature range.

⚡ Closing the Cabinet

- Close the cabinet door securely by pushing the door until an audible lock click is heard.

⚡ LED Lighting

- The internal white LED light will activate automatically in low-light conditions, providing better visibility.
- If you have enabled the external green LED surround light, it will light up the area around the cabinet for visibility at night and shut off in daylight. This can be switched off by pressing the external lighting switch on the electronics box (see Fig 1).

⚡ Maintenance

- **Weekly Inspection:** Check the operation of the cabinet and lock
- **Regular Cleaning:** Use a soft, damp cloth to clean the cabinet's exterior and interior. Avoid using harsh chemicals.
- **Monthly:** Check the smooth operation of the lock and handle. Wipe the handle and lock keypad – spray with lubricant such as WD40 if dirty.
- **Annual maintenance:** Spray the keys with lubricant and retry if they are not depressing correctly. Re-enter the code to ensure the keypad is working correctly.
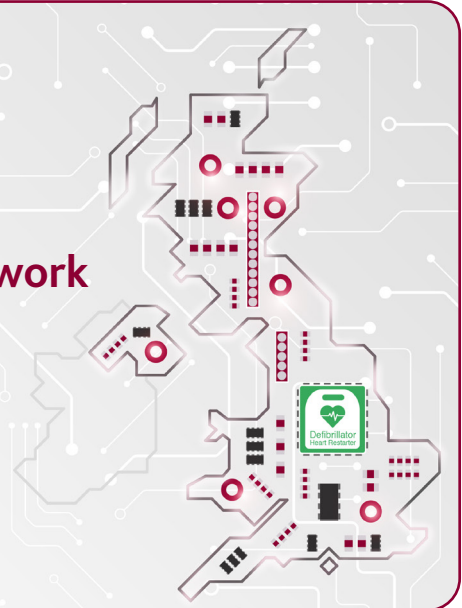
The Circuit - The National Defibrillator Network

Registering your defibrillator on The Circuit ensures that ambulance services can locate your defibrillator and direct people to it if they witness an out-of-hospital cardiac arrest.

Register your cabinet with The Circuit and provide your unlocking code so that it can be accessed in an emergency.

www.thecircuit.co.uk

⚡ Troubleshooting

Issue	Solution
External light has turned red	The temperature sensor is not working. The internal temperature is higher than 40°C.
Cabinet not cooling / heating	Check the power supply to the unit.
Temperature is outside range	The automatic climate control system will automatically heat or cool the AED. The external LED will illuminate red If internal temperature is higher than 40°C or lower than 10°C.
Internal LED light not working	Check the light sensor connection and ensure it is not obstructed. If the light does not activate, check the power supply to the LED system.
Keypad not unlocking	It is extremely important to make a note of the PIN code. Ensure the correct PIN code is entered.
External LED surround light not functioning	Confirm the power is on and the external LED is switched on.

⚡ Product Specifications

Storage	Maintains storage temperature between 10°C and 40°C based on minimal -10°C and maximum 50°c external temperature.
Weight	Approx. 17kg
Size	45cm (W) x 56cm (H) x 28cm (D).
Material	LLDPE
Temperature control	Cooling will automatically start when the temperature is higher than 35 degrees and the heating will be triggered when lower than 12 degrees.
Ingress Protection	IP66 rated
Impact Protection	IK10 Impact rated