

CAST Addressable Multi-Message Lockdown Alert Panel

Part No. **LAP2/CA**



Overview

- A dedicated feature-rich multi-message lockdown/invacuation control panel designed to help venues meet the requirements of The Terrorism (Protection of Premises) Act 2025, also known as 'Martyn's Law'.
- Fully monitored and battery backed.
- Secure keyswitches allow authorised users to select a voice message appropriate to the situation such as an internal or external threat requiring a partial lockdown, a threat requiring a full lockdown or an event that requires a full building evacuation (other options available to special order).
- Panel includes 2 CAST protocol loop drivers capable of powering multiple CAST multi-message lockdown voice sounders.
- ENVISION Enabled – fully compatible with C-TEC's Cloud based data management software allowing incidents to be monitored on or off site.
- Designed for use in conjunction with our [CAST lockdown alert voice sounders](#), [lockdown alert voice sounder VADs](#) and [lockdown alert call points](#).



More Information

The Terrorism (Protection of Premises) Act 2025, or "Martyn's Law", means premises with a capacity of 200 or more are now legally required to prepare to have public protection measures in place, including lockdown plans, by April 2027.

Designed to improve protective security and organisational preparedness across the UK, Martyn's Law means that those responsible for certain premises and events need to be better prepared and protected, ready to respond in the event of a

terrorist attack or security incident. Standard tier venues (with capacities for 200-799 people) need public protection procedures, including lockdown, communication, and evacuation/invacuation plans. Enhanced tier venues (with 800+ capacities) need the same but are additionally required to implement other specific measures such as monitoring the premises' immediate vicinity. C-TEC's battery-backed and fully-monitored lockdown solutions have been designed to help schools, theatres, shopping centres and other commercial and public venues comply with the legislation.

How does a lockdown system work?

A lockdown system (sometimes known as an invacuation system) is typically used to direct people to a designated secure area within a building to avoid threats from, say, active shooters or bomb alerts. To do this they sound distinctive alarms and/or voice messages throughout the building that are different from a venue's fire evacuation or burglar alarm tones to avoid confusion. The exact operation of a lockdown system and the actions that need to be taken when a threat is detected will be dependent on the venue's risk assessment and emergency plan. As requirements will differ from site to site, C-TEC's lockdown solutions are designed to be tailorable to a building's specific needs. They comprise a range of special multi-message voice sounders with a selection of pre-recorded messages and blue-flashing beacons that can be easily added to our dedicated LAP2/CA lockdown-alert panel or any ZFP CAST-protocol addressable fire system. Messages can be triggered either manually via a set of secure keyswitches or by activating one or more lockdown call points.

Lockdown voice messages

The following voice messages can be triggered by the LAP2/CA when used in conjunction with C-TEC's CA446A/DW/LD lockdown sounders or CA446A/DW/LD lockdown sounder VADs:-

Message 1 (internal threat, full lockdown situation)

"This is a full lockdown alert. There is an immediate threat within the building. Please follow full lockdown procedure. Stay calm and stay alert for further instructions."

Message 2 (internal threat, partial lockdown situation)

"This is a lockdown alert. There is a threat within the building. Please follow partial lockdown procedures. Stay calm and stay alert for further instructions."

Message 3 (external threat, partial lockdown situation)

"This is a lockdown alert. There is a threat outside the building. Please follow partial lockdown procedure. Stay calm and stay alert for further instructions."

Message 4 (full evacuation)

"Attention please. This is an emergency. Please leave the building by the nearest available exit."

Message 5 (all clear, situation resolved)

"All clear, The emergency has been resolved. All clear. All clear. The emergency has been resolved. All clear."

Alternative lockdown messages

Custom or coded voice messages can also be arranged by special order - contact our lockdown system support team at lockdown@c-tec.co.uk for more details.

Technical Specifications

Protocol/compatibility

C-TEC CAST.

Mains supply	230V 50/60Hz.
Mains rated current	1.3A maximum.
Internal power supply	27Vdc nominal.
Total output current limited to	5A @ 230Vac.
Battery charge capacity	7Ah min to 18Ah max.
Quiescent current	Varies depending on the panel's configuration - refer to our ZFP loop/battery calculation tool for details.
Max battery size and type	2 x 12V 18Ah VRLA connected in series.
No. of loop drivers	1, 2 or 4 (dependent on model purchased).
Max. loop output current	450mA.
Max. loop length	1KM.
Max. addressable devices per loop	255.
No. of conventional sounder circuits	2 (Max. length per circuit is 500m).
EOL resistor value	6800Ω 5% Tol. 0/25W (blue, grey, red, gold).
Max. sounder output current	2 x 1A.
Auxiliary relays	2 x Programmable Relays (programmable from C&Es). 1 x Fault Relay (active when no faults are present). Volt free single pole changeover. Max. switch current 1A; Max. switch voltage 30Vdc.
Other outputs	24V Aux. Power (19.5V min, 28V max). Protected by a resettable fuse. Max. current 100mA.
Auxiliary inputs	2 x Programmable Inputs (programmable from C&Es). Connect to 0V to trigger, Max. input voltage 27V (non-latching).
PC connection	Via a galvanically isolated USB socket on the Z41 control module.
Pager/DECT connection	RS232. Requires a minimum of a BF874QAQ transmitter and a BF877QAQ display pager.
Graphics interface/diagnostics connection	RS485. Drax compatible. C-TEC ENVISION Cloud Enabled.
Network connection	RS485 hi-integrity multi-path fault tolerant network connection via optional ZHN network card. Max 128 network nodes (up to 64 main panels & 64 compact controllers).
Indicators	Full-colour 480 x 272 pixel touchscreen, all relevant EN54 indicators plus 5 programmable indicators. Additional indicators dependent on Switch & Indicator module fitted.
Controls	Interactive touchscreen with menu sensitive buttons; 1 x keyswitch allowing direct access to Access Level 2. Additional controls dependent on Switch & Indicator module fitted.
Connections	Fixed, largest acceptable conductor size 1mm ² .
Expansion connections	RS485 peripheral bus connection allows the connection of up to 15 'A-Bus' PCBs (2 control cores plus screen plus 2 cores for power).
Product dimensions (mm)	450 W x 462 H x 127 D mm (hole required for semi-flush mounting = 456 W x 468 H x 122 D mm. Requires ZBEZS bezel).
Construction & finish	Light grey textured mild steel, 1.2mm Zintec. RAL7035 epoxy paint.
IP Rating	IP30.
Weight	TBC.
Operating conditions/temperature	-5°C to +40°C. Max relative humidity: 95%.