



ColdWatch trapped personnel alarm kit

The trapped personnel alarm kit is a safety system to be fitted inside low temperature cold rooms.

It allows personnel trapped inside the cold room to call for help by pressing an emergency button and thus activating the audible signal-warning light on the control panel outside.

Components:

- **control unit:** to be installed outside of the cold room; fitted with an audible siren and flashing light to signal alarms;
- **backup battery:** housed inside the control unit, provides power in the event of blackouts;

- **emergency button:** to be installed inside the cold room, made up of a mushroom-head pushbutton with light. The LED on the mushroom-head pushbutton is on at all times, so the button can be identified even in the dark.

ColdWatch is compliant with European standard EN 378-1, which certifies the presence of an audible and visual safety device in cold rooms with a volume greater than 10 m³ and that operate at negative temperatures.

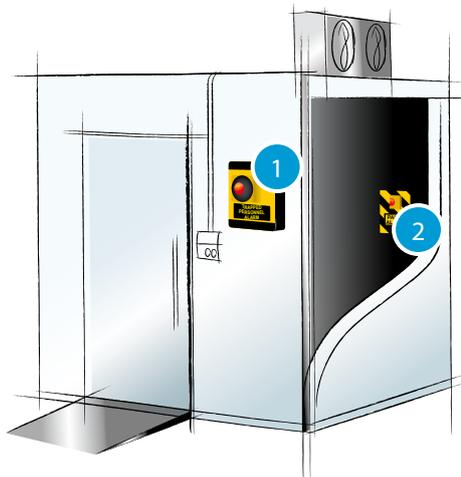
- visual and audible alarm outside the cold room;
- permanently lit emergency button inside the cold room;
- backup battery in the event of blackouts;
- designed in compliance with EN 378-1;
- available in several languages.

System composition

Example application

1 Control unit fitted with a siren for audible and visual alarm signalling. The built-in electronic board provides a relay for connecting optional devices, such as: deactivate cooling, switch on cold room light, or activate a telephone dialler. The following are also available: possibility to connect a second alarm input and a series of output signals (open collector) indicating battery and power supply status. The standby battery inside the control unit ensures operation in the event of power failures for up to 10 hours.

2 Emergency button with always-on LED for identification, supplied with polycarbonate marking adhesive and complete with drilling template. Up to four buttons can be connected, at a maximum distance of 600 m from the control unit template.

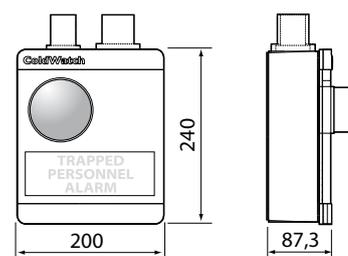


Technical specifications

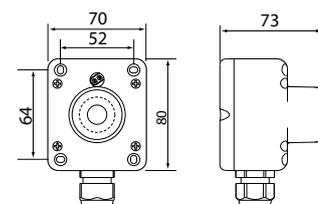
Main power supply	230 Vac 50/60 Hz
Operating autonomy	with 230 Vac power connected: unlimited with fully charged battery: 10 h
Battery	12 Vdc
Battery life	10 h
Visual signal	Flashing red LED
Sound emitted	100 dB at 1 m
Emergency button inside cold room	Red LED, 12 Vdc -25 to 40 °C IP65
Module on outside of cold room	-10 to 40 °C IP43
Auxiliary relay	250 Vac 5A AC1 (contact closed with alarm active)

Dimensions in (mm)

control unit



emergency button



Codes available

The kit comprises the control unit + emergency button, available in the following languages:

P/N	Language
CM00005953	English
CM00006056	French
CM00006079	Italian
CM00006080	Spanish
CM00006081	German
CM00006207	Danish
CM00006236	Australian
CM00006237	Portuguese
CM00006433	Swedish
CM00006551	Polish

Other languages will be available upon request.



Alarm

Visual and audible alarm outside the cold room.



Emergency

Permanently lit emergency button inside the cold room.



Backup battery

Backup battery in the event of blackouts.

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