

INSTALLATION INSTRUCTIONS CONNECT & ALARM

Version A1.1



Preperation

Check the delivery and report any damage or material shortage immediately.



INCLUDED MOUNTING ACCESSORIES

-Therming Connect & Alarm	1 pcs
-Push button	1 pcs
-Mounting screws	8 pcs
-Installation instructions	1 pcs

FUNCTIONALITY:

- Emergency alarm with flashing light and sound signal
- Dual relay outputs for alarm forwarding
- Dual relay outputs from door contact
- Pluggable terminal blocks
- Built-in thermostat for underfloor heating cables
- LED indication for various statuses
- The product is EMC approved



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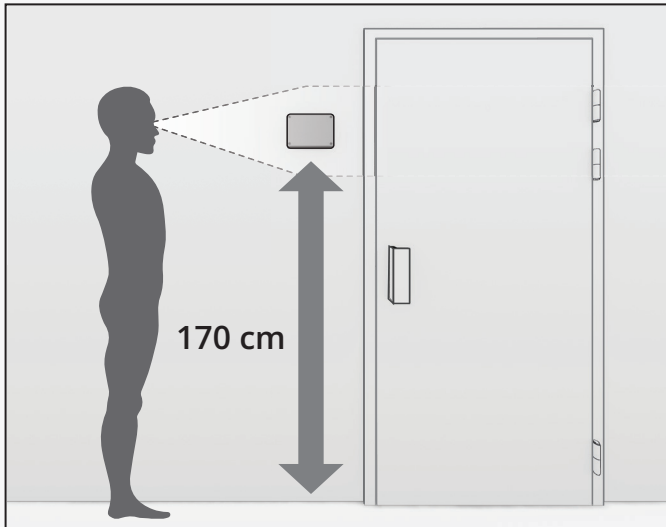


FINNEBÄCKS AB
Edsgatan 3
671 70 Edane
Mail: office@finnebacks.se
Phone: +46(0)570-727770
www.finnebacks.se

**SWEDISH DESIGN,
MANUFACTURING
AND QUALITY**

INSTALLATION DESCRIPTION

1. ALARM UNIT - PLACEMENT OUTSIDE FREEZER ROOM

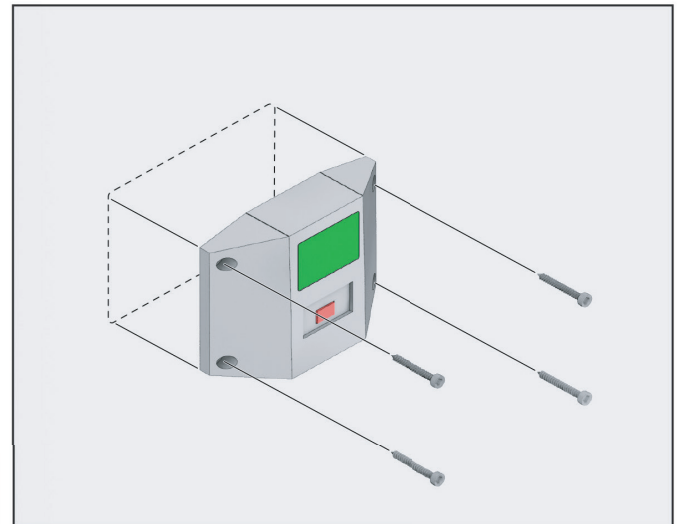


1.1 Placed on the outside of the freezer room, at eye level and clearly visible/accessible.



Make sure that the acoustic signal is heard in an staffed area.

2. PUSH BUTTON - PLACEMENT INSIDE FREEZER ROOM



2.1 Placed next to the door inside the freezer room, 50 cm above the floor.



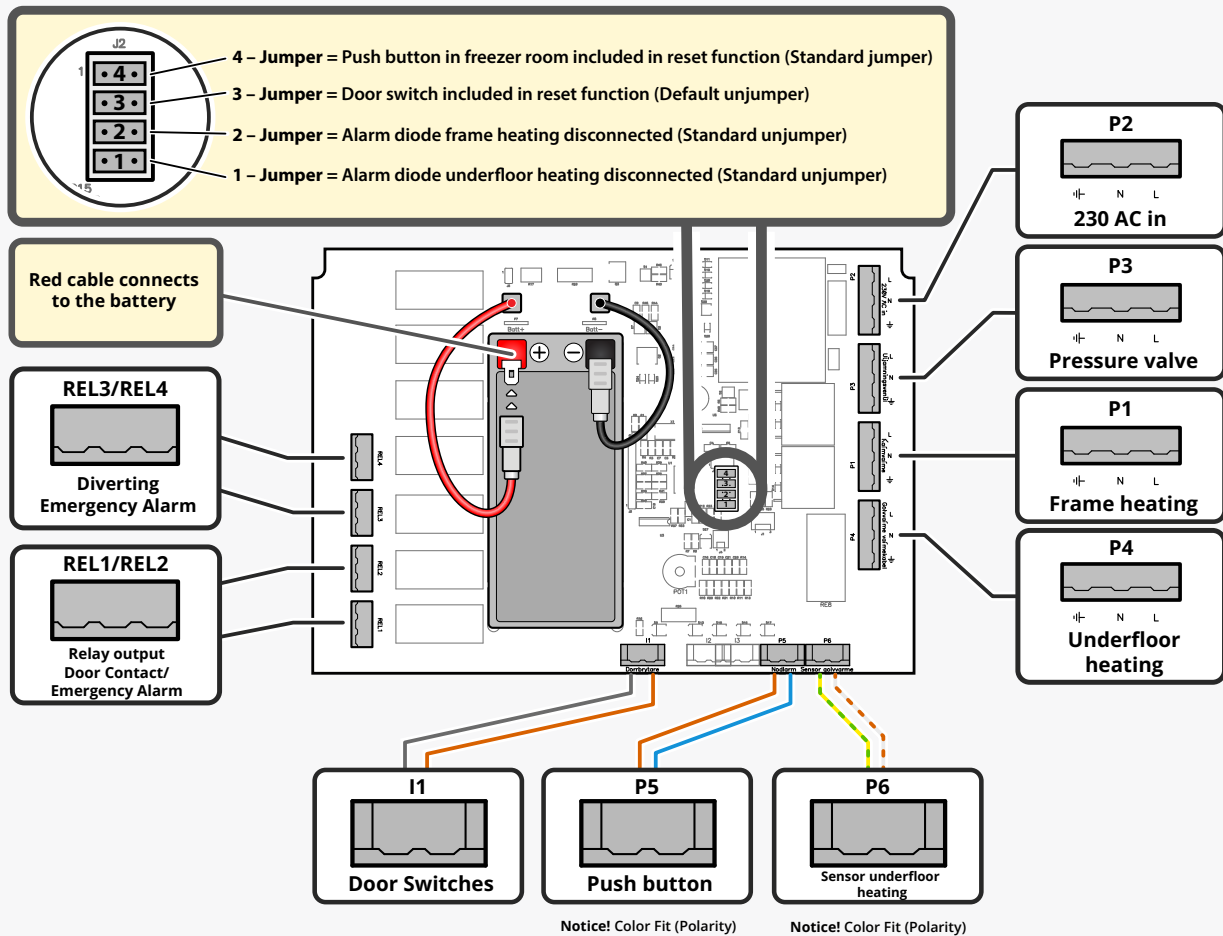
The push button must not be blocked by goods.



The push button is part of the function of the alarm. Use only the original type when replacing!

FUNCTION DESCRIPTION

PRINTED CIRCUIT BOARD - ALARM UNIT



FUNCTION ALARM UNIT/SENSOR UNDERFLOOR HEATING

Press Reset button when connecting wire to the battery, then the warning lights come on one at a time and the flash beacon flashes. This indicates that the processor and alert features are OK. Battery backup with automatic charging ensures the man-in-the-room alarm function for at least 24 hours in the event of a power failure.

The alarm unit also includes relay functions with potential-free switching contacts (Max 230V, 10A), for external call forwarding. The underfloor heating is factory set to 15°C.

FUNCTION TEST: (at least once a month)

- Disconnect the main power supply and check that the "Accumulator supply" signal light lights up on the front panel.
- Reset the main power supply and check that the "Power supply 230 VAC" indicator light comes on.
- Activate the push button inside the freezer room and check that the lightning beacon "Man-in-the-room- alarm" is working, and the device emits an acoustic signal.

MAINTENANCE

The alarm unit is virtually maintenance-free. It must be kept clean, dry and free of ice. The battery life is approx. 5 years. Use only the original battery when replacing!
Enclosure IP54.

EMERGENCY ALARM INDICATION: The beacon flashes and the unit emits an acoustic signal.

EMERGENCY ALARM: The lightning beacon flashes and the device emits an acoustic signal.

PUSH BUTTON INOPERATIVE:
The lightning beacon flashes.

RESET:
Alarm button in freezer room is pressed > 5 sec. After that, tap "Reset" on the device within 20 sec.


FLASHING LIGHT WITHOUT ACOUSTIC SIGNAL DURING INSTALLATION:
Indicates incorrect connection (polarity) of the push button. Follow the color code on the cables; see section Circuit Board – Alarm Unit.

RESET BUTTON: Reset button is located on the underside.




STATUS INDICATION

GREEN LIGHT POWER SUPPLY

	Nätspänning 230 VAC – Power supply 230 VAC
	Batteridrift – Accumulator supply
	Fel sensor golvvärme – Fault sensor floor heating
	Fel golvvärmekabel – Fault floor heating wire
	Fel karmvärmekabel – Fault door heating wire


Lit light: Normal operation with power supply.
Unlit light: Power supply absent.

YELLOW LIGHT ACCUMULATOR SUPPLY

	Nätspänning 230 VAC – Power supply 230 VAC
	Batteridrift – Accumulator supply
	Fel sensor golvvärme – Fault sensor floor heating
	Fel golvvärmekabel – Fault floor heating wire
	Fel karmvärmekabel – Fault door heating wire


Lit light: Steady light during battery operation.
Replace battery: Light blinks and the unit emits a short acoustic signal.

RED LIGHT FLOOR HEATING SENSOR

	Nätspänning 230 VAC – Power supply 230 VAC
	Batteridrift – Accumulator supply
	Fel sensor golvvärme – Fault sensor floor heating
	Fel golvvärmekabel – Fault floor heating wire
	Fel karmvärmekabel – Fault door heating wire


Floor heating sensor error: Blinking light indicates a fault in the floor heating sensor.

RED LIGHT FLOOR HEATING CABLE

	Nätspänning 230 VAC – Power supply 230 VAC
	Batteridrift – Accumulator supply
	Fel sensor golvvärme – Fault sensor floor heating
	Fel golvvärmekabel – Fault floor heating wire
	Fel karmvärmekabel – Fault door heating wire

Floor heating cable error: Blinking light indicates a fault in the floor heating cable.

RED LIGHT FRAME HEATING CABLE

	Nätspänning 230 VAC – Power supply 230 VAC
	Batteridrift – Accumulator supply
	Fel sensor golvvärme – Fault sensor floor heating
	Fel golvvärmekabel – Fault floor heating wire
	Fel karmvärmekabel – Fault door heating wire

Frame heating cable error: Blinking light indicates a fault in the frame heating cable.

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