

## PRODUCT OVERVIEW

The proven & well respected Frostprotector+2 (FP+2) alarm unit integrates several critical coldroom alarm conditions, all in one economical battery backed unit.

Alarms are triggered via inputs or from the sensor. These alarms show up as warning LEDs on the front of the unit & an audible alarm.

All alarm conditions can be muted apart from the person trapped. The FP+2 can be used as a stand alone device or built into any control panel door.



## FEATURES

- Power failure alarm.
- Unit fault.
- Temperature fault (High or low).
- Person trapped alarm.
- Optional unit run or door open alarms.
- Includes PTC Probe & Person Trapped switch.
- 1 x c/o volt free contacts for external connection of BMS or beacon etc.



## SPECIFICATION

Mains supply:	12V ac (230V ac Boxed version).
Battery:	8.4V dc (PP3) Rechargeable.
Pcb connection:	Pluggable screw terminals 2.5 mm capacity.
Temp range:	LT -30°C to 0°C / HT -15°C to +15°C
Alarm delay:	2 -30 min.
Sensor:	PTC 6mm x 40 mm c/w 1.5m cable.
Dims (Boxed):	190 mm W x 240 mm H x 90 mm D
Fault inputs:	Via V/F contacts.
Locked in switch:	Latching. LED ring illuminated (Red) Stainless.
Sounder:	85Db at 30cm (Boxed version).

### Indicators

(Standard)	LED type. Power on. Power fail. Unit fault. Temp fault. Defrost on. Person trapped.
(Optional)	1 x extra LED and input configurable at the point of order.

## OPERATION

The FP+2 is ideally suited for use in coldroom monitoring situations. It is battery backed and alarm conditions integrate most common fault situations in refrigeration systems and as such can be a great addition to control panels.

The stand alone boxed version can therefore be an easy upgrade to compliment existing installations. The locked in switch which is located within the coldroom has a red flashing halo LED, supplied from the FP+2 board which ensures that the switch is clearly visible at all times.

The switch is a latching type which will remain in when operated. The resulting visual and audible alarm can then only be cancelled once any trapped personnel are released and the locked in switch has been reset.

For further technical information please refer to the FP+2 technical manual and fault finding guide.

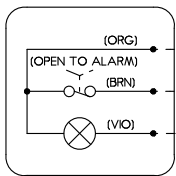
Note: It is possible to connect more than one switch and to have a key operated variant, please contact our sales department for further information.

## CONNECTIONS

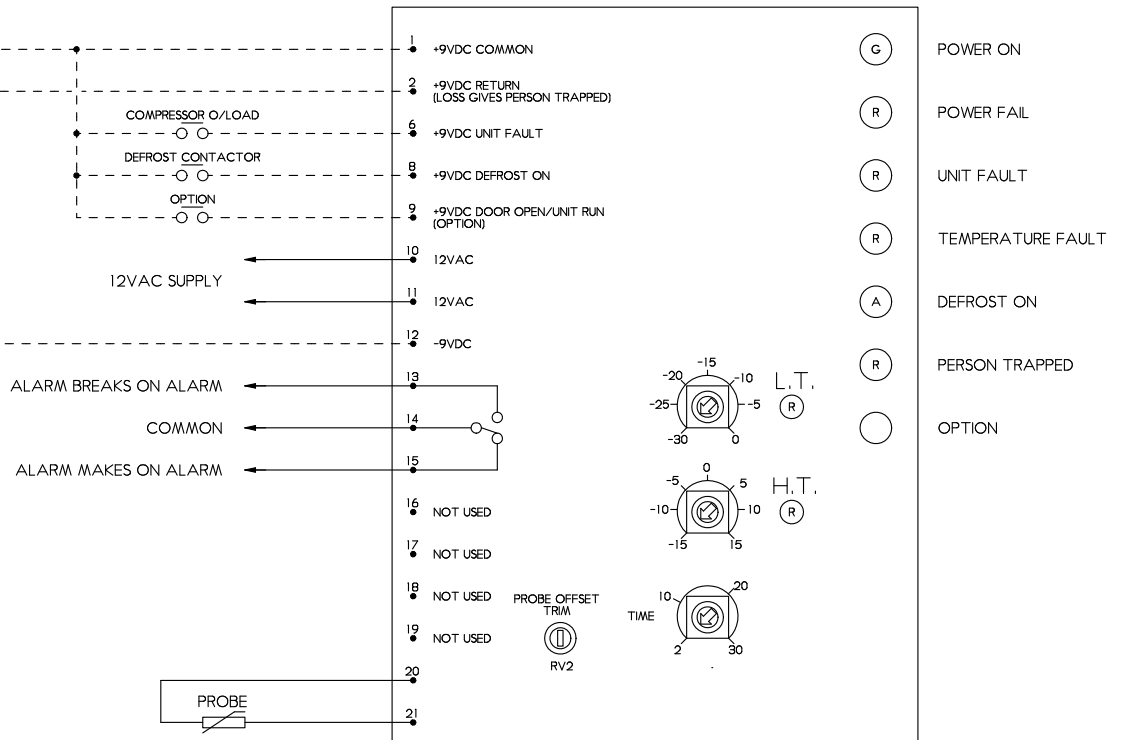
From top to bottom. Terminal Ident.

1. +9 V dc output to PTS LED
2. I/P PTS switch (N/C)
6. I/P Unit Fault
7. I/P Temp. Fault
8. I/P Defrost On
9. I/P (optional e.g. Unit run or Door open)
10. 12V ac supply in
11. 12V ac supply in
12. - 9 V dc output to PTS LED
13. Volt free contacts N/O (Closed = no alarm)
14. Volt free contacts COM
15. Volt free contacts N/C (Closed = alarm)
20. PTC sensor input (Eliwell PELE 320)
21. PTC sensor input

### PERSON TRAPPED SWITCH



### FROSTPROTECTOR +2



## CONTACT US

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