

Alert ATS

Distress signal unit for isolated worker



INTRODUCTION

The **ATS** is an Atex approved man down alarm. Small and compact, it can be attached to the wearers breathing apparatus or workwear and provides a loud audible and bright visual alarm should the unit no longer sense any movement. The unit is activated by the wearer detaching a tally key from the front of the unit and the unit can not be turned off until this key is put back in place.

If no motion is detected for 15 seconds, the unit will go into "Pre-Alarm" mode and give an audible "Pre-Alert" signal. In "Pre-Alarm", the green LED display is replaced by intermittent pulsing of four red L.E.D.s accompanied by a sweeping "Pre- Alarm" audio signal which becomes progressively louder. The longer the unit is in "Pre Alarm", the louder the "Pre Alarm" signal becomes, signifying the unit is closer to the full "Alarm" mode. After lack of motion lasting approximately 30 to 35 seconds, The unit will go into "Full Alarm" mode. When in "Full Alarm", the four red LEDs pulse rapidly and the audible alarm increases in volume and varies in pitch.

The unit can also manually be put into full alarm mode by pressing the button on the front of the unit should the user decide they need to activate the unit themselves in an emergency situation.

The full alarm can be reset by pressing the two side buttons however a configuration is available that requires the tally key to be connected back on to the unit to allow alarm cancellation.

The unit also features an alarm that is activated on extended exposure to heat.

The **ATS** is designed to give a warning via a loud audible alarm and flashing visual alarm if a user should stop moving for a period of time.

TECHNICAL FEATURES

Sounders:

Brass Piezo electric sounders
Pre alarm – 84-102 Leq DBa
Full alarm – 102-112 Leq DBa

Heat Sensor alarm activation:

176oC (350oF) – 6 minutes
149oC (300oF) – 8 minutes
121oC (250oF) – 10 minutes
93oC (200oF) – 12 minutes

Dimensions:

51mm x 80mm x 38mm (WxHxD)
Weight – 210g

Battery life:

70 hours in sensing mode
2-4 hours in alarm mode

Low battery alarm:

20% capacity giving minimum of 1 hour in alarm mode.

Battery:

9 v duracell MN1604 recommended

Atex Approval:

ExII1G EEx ia IIC T4