

Temperature extremes sensor 869MHz

What is the temperature extremes sensor?

The temperature extremes solution provides advanced alerts of extreme household temperatures which could lead to unhealthy living conditions. It also provides advanced warning of fire hazards, as unlike smoke detectors it can be sited in smoke rich environments such as kitchens, and can raise an alert when the room temperature falls to levels that could result in burst pipes.

How does it work?

The temperature extremes sensor sends alarm signals to Lifeline home units and other Tunstall telecare enabled systems to provide early warnings of potentially hazardous temperatures. They are designed to detect three temperature situations; high, low and rapid rate of rise in order to raise specific alerts allowing appropriate action to be taken.

- The high temperature alarm is generated if temperatures go above the high temperature level for more than 2 minutes.
- The low temperature alarm is generated if the temperature goes below the low temperature setting for more than 20 minutes
- The alarm is also activated if the temperature in the room rises by 1°C per minute over a 30 minute period or 3°C per minute over a five minute period.



Why is it needed?

The temperature extremes sensor is a unique solution for the remote monitoring of unhealthy environmental temperatures in order to help enable independent living.

Who is it for?

The temperature extremes sensor can be used with Lifeline 400, 4000+, Connect, Connect+, Vi, Vi+ and Telecare Overlay therefore it provides a flexible solution for individual homes and grouped housing developments.

Features and benefits

- Utilises the dedicated European 869MHz social alarm frequency - ensures reliable, future proofed operation
- Wireless technology - provides flexibility on installations
- Two year battery life complete with built in automatic low battery warning - ensures optimum operation at all times
- Low temperature alarm - provides protection against freezing temperatures
- High temperature alarm - provides protection against potential fire hazards
- Rapid rate of rise alarm - provides protection against potentially dangerous temperature increases

Technical details

Weight:	168g
Dimensions:	83 x 108 x 37mm (WxHxD)
Radio frequency:	869.2125MHz
Radio range:	Up to 50 Metres (Typical)
Power supply:	3 x AAA Batteries
Operating temp range:	-10°C to +55°C
Battery life:	2 years depending on usage
Battery disposal:	Disposal in accordance with current legislation

Standards:

EMC:	EN55022: 1998, ETSI EN301-489-1:(2000-08) Class 1
Safety:	EN60950:2000
Social alarm:	EN50130-4:1995
Radio:	ETSI EN 300 220-2 (2007)
CE:	Compliant

Manufacture, design,
service and installation: ISO9001:2000

Part Number:	Low Temp Setting	High Temp Setting	
Temperature Extreme Sensor	2°C	35°C	69005/03
Temperature Extreme Sensor	2°C	42°C	69005/05
Temperature Extreme Sensor	12°C	42°C	69005/04
Temperature Extreme Sensor	16°C	42°C	69005/06

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Tunstall Healthcare (UK) Ltd,
Whitley Lodge, Whitley,
Yorkshire DN14 0HR

Tel: 01977 661234
Fax: 01977 662570

Email: enquiries@tunstall.com
tunstall.com



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