



## BOSCH PENDANTS REDUCE LIFETIME COST OF SOCIAL ALARM SYSTEMS WITH REPLACEABLE BATTERIES AND WIRELESS TECHNOLOGY

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Bosch Security Systems' Tx radio transmitter operates using a replaceable battery, significantly reducing the lifetime costs of Bosch Social Alarm systems.

The Tx, which is a small, light but robust pendant with a big push button for easy alarm triggering, provides a link to a social alarm-monitoring centre or assistance provider. Typically, when the battery runs out in a normal pendant the whole unit would have to be replaced, as Julian Kuczala of Bosch explains: "Whilst the battery usually last a few years, the cost of replacing the pendant would be around £40. However, with the design of the Tx pendant and its use of replaceable batteries at the cost of less than £1, there are considerable costs savings to be made over the lifetime of our social alarm systems."

The negligible cost of the replacement battery, compared to a replacement pendant, also means the operation of the alarm need not be compromised, as there will be no need to delay the purchase of a replacement due to the cost. "The new format could further save the service provider time and money," continues Julian. "Battery replacement can be factored into scheduled visits rather than having to make unplanned trips with replacement pendants once the one in operation has reached its critical replacement stage."

The Tx Pendant is just one element of the new Carephone 62 system, which has been developed for people who want to lead independent lives in their own homes whilst still feeling secure and safe in the knowledge that help is available when needed. The reliability of the Carephone 62 system is underpinned by the Carephone unit which receives the radio transmitted alarm from which it is immediately transmitted to a 24-hour staffed monitoring centre.

For care providers, the new Carephone 62 can be used on different types of transmission networks so there is now no need to stock a variety of Carephones. The unit is compatible with multiple transmission networks and can be used with both analogue and broadband telephone connections (Voice over IP), and connection to GSM network is ensured by a modem that can be linked to the Carephone.

Installation is straightforward and the innovative option of programming the system with a Secure Digital Memory Card (SD card), means that no additional programming tools are required, reducing the risk of programming errors. The SD card permits easy software upgrading and records detailed analysis of stored event data for better service and maintenance. As an alternative the Carephone 62 can also be programmed remotely (BS8521) or locally using either the integrated keyboard or special software running on a laptop.

In addition the Carephone 62 system comes with other peripherals, including the Carewatch, Fall detector, Mandown sensor, and a host of wireless detectors which connect to the system via a Standard BT connection or an IP Network.

Wireless peripherals include a contact detector to secure doors and windows, pull cord for use in a bedroom or bathroom, both smoke and gas detectors, along with a flood detector which automatically triggers an alarm if water is detected on the floor.

The ability to connect sensors and detectors wirelessly offers considerable cost savings for care providers and minimal disruption to the user, as Julian explains: “The Mini SD Card capability reduces the amount of time required to install the system and offers much more flexibility. With fewer barriers to the use and installation of peripherals a more extensive system can be put in place with little additional installation effort, resulting in a more encompassing system to ensure the safety of the user.”

The Carephone 62 conforms to protection class IP32 with a design that significantly reduces the risk of damage from spilled liquids, dust and dirt. As expected the Carephone 62 complies with all relevant standards including EN 50134 and EN 300200, as well as considerably stricter national certifications. It features a highly selective, sensitive Class 1 receiver to minimise interference, providing greater security for users.

The ease of maintenance and lifetime cost savings is a theme which is

carried throughout the Carephone 62 system as the actual Carephone cover and buttons are easy to replace and make it look like a new unit.

The new Tx unit is compliant with BS8521. The radio link between the social alarm unit and the Tx is automatically monitored with faults reported to the receiver. The body of the Tx is waterproof (IP67) and it can be worn as a medallion, an elastic wrist strap or clipped to clothing. Also, like the previous model, the pendant's LED lights up when the alarm is set off and when the battery is low.

The alternative personal transmitter is the Carewatch, which combines all the benefits of a mobile wrist transmitter with the functionality of a wristwatch. A wireless transmitter lets the user call for help at any time by pressing the integrated alarm button. The Carewatch is characterised by its elegant design, which significantly reduces stigmatisation. It can be worn as a wristwatch with an easy-to-replace leather band or as a pendant with an adjustable cord. The battery, as in the Tx, is quick and easy to replace.

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