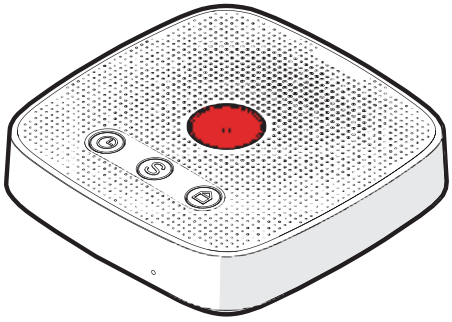
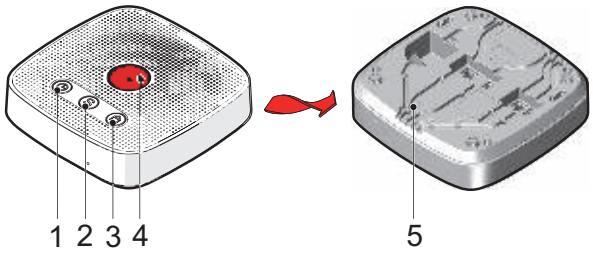
TA74+
TA74 GSM
TA74 GSM IO



- **Quick and easy programming via an intuitive cloud programming**
- **Various communication protocols**
- **Best in class audio quality**
- **Best of modern communication lines with Ethernet/ VoIP, PSTN and GSM/GPRS/UMTS**
- **Always up to date via software remote updates**
- **Activity monitoring**
- **Vocal reminders**
- **Easy care - easy to clean and waterproof according to IP32**
- **100% high-quality ABS material in premium white**

The TA74 product range offers multiple innovations that help you manage your telecare service easily, efficiently and economically. The devices can communicate through LAN/ Ethernet or analogue landline telephony. The TA74 GSM and TA74 GSM IO are additionally equipped with an internal GSM module and enable the communication via mobile network. The TA74+ is upgradeable with an internal GSM module.
Two “plug and play” programming ways are available, one through the TeleAlarm® Cloud Services platform and the other through the Configuration Manager software.

System overview



1. Daily button
2. Action button
3. Sign in / sign out button
4. Emergency call button
5. Maintenance button

Functions

Multi-purpose buttons
In case of an emergency, the TA74 sends an alarm via the telephone network, a LAN/Ethernet connection or a mobile network, either to a monitoring centre or a private phone.
The emergency call is triggered by pressing the emergency call button on the TA74, or on the button of the wireless transmitter that is delivered with the device. Up to 20 wireless transmitters can be associated with the TA74.
The action button is a multi-purpose trigger: It can be pressed to cancel an unintentionally triggered alarm during pre-alarm, but it can also be configured to be used as a service button.

When the TA74 has an error, the unit status announcement can be repeated by pressing the action button.
Pressing the sign in / sign out button tells the TA74 whether the user is currently at home or not.
Furthermore, the TA74 includes a built-in activity monitor, which ensures that an emergency call is made automatically if the daily button is not pressed within a preset period of time.

Multiple protocols
The TA74 is capable of multiple protocols and therefore compatible with most telecare monitoring solutions. The device can be used with multiple legacy phone protocols, IP connections and mobile networks. The latter requires a GSM module.

Multiple programming possibilities
The TA74 can be programmed via the TeleAlarm® Cloud Services platform (over LAN/Ethernet, analogue telephony or mobile network) or by Configuration Manager software on a local computer. This cloud or local programming is a “plug and play” process, sparing installers time and complication.
The TA74 can also be programmed via a compatible alarm receiving centre.

Vocal reminders
Three reminder messages can be recorded. Each notification can be automatically played on a configured day and time. It is repeated every 20 seconds until the daily button is pressed or the preset time has elapsed. If the reminder message is not acknowledged, the device can send an alert to the alarm receiving centre.

Internal I/O
The TA74 GSM IO is equipped with a wired input/output connection. To the input e. g. a mechanical pull switch, an intruder alarm or a motion detector can be connected.
The output can be used to trigger external equipment, e. g. a door opener.

Interactivity with transmitters and detectors
A wide range of wireless transmitters and detectors can be used along with the TA74, for example the Tx Transmitter or the S37 Transmitter, as well as the Wireless Motion Detector or Wireless Smoke Detector.

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Certifications and approvals

LVD 2014-35-EU, EMC 2014-30-EU, RED 2014/53/EU, RoHS 2011/65/EU.

EN 50134-1, EN 50134-2, EN 50134-3, EN 50134-5

EN 301489-1 V2.1.1

EN 301489-3 V1.6.1

EN 62368-1

EN 62479

EN 50130-4

EN 55032

EN 301 511 V12.5.1 (for GSM module only)

EN 301 908-2 V11.1.1 (for GSM module only)

EN 301 489-7 V1.3.1 (for GSM module only)

EN 301 489-24 V1.5.1 (for GSM module only)

EN 300220-2 V3.1.1	Category 1 radio receiver
Conducted sensitivity	typ. -115 dBm
Field sensitivity	< 36 dBµV/m

Parts included

Quantity	Component
1	Pre-installed rechargeable battery
1	Built-in GSM/GPRS module with internal antenna. Cellular network: 2G dual band 900/1800 MHz and UMTS (3G) B1/B8 (TA74 GSM and TA74 GSM IO only)
1	Internal wired I/O (1 input and 1 relay output) (TA74 GSM IO only)
1	Wireless transmitter including CR2430 battery and necklace or bracelet
1	Power adapter
1	Phone cable with country-specific telephone plug, and optional network cable
1	Quick Guide

Technical specifications

Dimensions (H x W x D)	50 x 191 x 191 mm
Weight	approx. 0.6 kg
Permissible temperature (environment / storage)	+5 °C to +40 °C -20 °C to +60 °C
Maximum rel. humidity	93%
Altitude	up to 5000 m
Switched-mode power supply	AC Adapter 100 – 240 V AC, 50/60 Hz, 0.4 A Input, 6.1 V DC, 1.6 A Output
Current consumption in standby mode	approx. 160 mA with power supply. approx. 35 mA on battery
Backup battery	3.6 V NiMH battery, 2.2 Ah
Battery operating time	min. 48 h with one 30 min. call (TA74+ only). min. 36 h with one 30 min. call (TA74 GSM and TA74 GSM IO). All values at date of purchase with a fully charged battery
Communication connections	All devices: PSTN, Ethernet/ VoIP. TA74 GSM and TA74 GSM IO: GSM/GPRS/UMTS
Receiver	Complies with category 1 as specified in EN 300220-1 V3.1.1
Frequency	869.2125 MHz
Environmental class	Class 1
Protection class	TA74 devices: IP32 (IP30 wall mounting) Wireless transmitter: IP67
Max. number of wireless transmitters & detectors	20
Programmable call destinations	10 call destinations: freely assignable to any type of trigger group
Voice message	Recordable, max. 10 seconds
Volume settings	8 levels
Emergency call protocols	Multi-protocol (RB2000, RB2000E, TTnew+, CPC, BS8521, RBIP, telephone, SCAIP, SIP)
Programming options	• Remote programming via TeleAlarm® Cloud Services • Configuration Manager • Remote programming from alarm receiving centre • Service mode
Available languages	Dutch, English, French, German, Spanish, and tone only
User guidance	Synthetic speech and LED indication
User assistant	Synthetic speech disabled mode
Connectivity	• Phone line • External phone • LAN/Ethernet connection • micro-SIM card socket • Internal I/O (TA74 GSM IO only)
Vocal reminders	3 recordable (15 sec.) reminder messages (timing day/hour)

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