KATEK
Lead the category

TeleAlarm®
A KATEK Brand

TA74
TA74 IO

- **Quick and easy programming via intuitive cloud programming**
- **Various communication protocols**
- **Vocal guidance**
- **First-class audio quality**
- **Best of modern communication options with Ethernet/VoIP and PSTN**
- **Always up to date via remote software updates**
- **Activity monitoring**
- **Vocal reminders**
- **Easy care – easy to clean and waterproof in accordance with IP32**
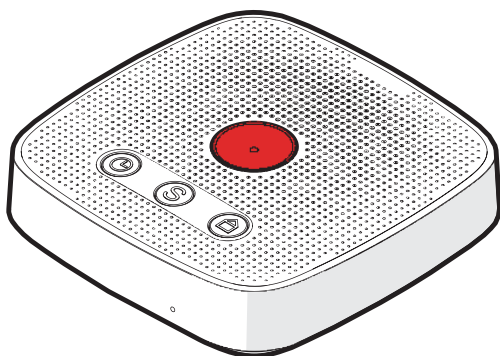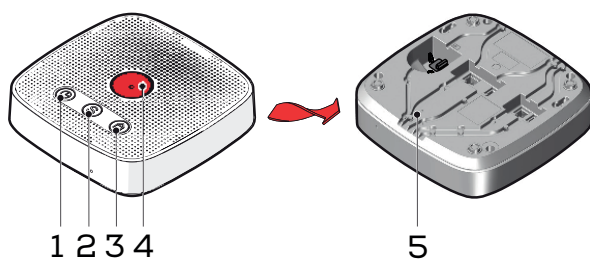- **100% high-quality ABS material in premium white**

The TA74 offers multiple innovations that help you manage your telecare service easily, efficiently and economically. It can communicate through LAN/Ethernet, in addition to analogue landline telephony.

Two "plug and play" programming methods are now available, one through the TeleAlarm® Cloud Services platform and the other through the Configuration Manager software.

System overview

1 2 3 4   5

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, or via LAN/Ethernet connection, either to an alarm receiving centre or a private phone connection. 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 paired to the TA74. The action button is a multi-purpose trigger: It can be pressed to cancel an unintentionally triggered alarm during the pre-alarm time, but it can also be configured to be used as a service button.

When the TA74 has an error (message), pressing the action button repeats the status announcement.
Pressing the sign in / sign out button tells the TA74 whether the user is currently at home or not. Finally, the TA74 includes a built-in activity monitor. This ensures that an emergency call is sent automatically
- if the Daily button is not pressed,
- if no activity is detected during a preset period of time.

Multiple protocols
The TA74 is capable of multiple protocols and therefore compatible with most telecare monitoring solutions.

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

Vocal reminders
Three reminder messages can be recorded. Each notification can be automatically played on a configured day and at a configured 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 input/output
The TA74 IO is equipped with a wired input/output connection. The connection can be used as an input, e.g. for a mechanical pull switch or motion detector, or as an output to operate an external device, e.g. a door opener.

Interactivity with wireless transmitters and detectors
A wide range of wireless transmitters and detectors can be used with the TA74, for example the Tx Transmitter, the wireless motion detector or the wireless smoke detector.

TA74 technical specifications

Dimensions (H × W × D)	50 × 191 × 191 mm
Weight	Approx. 0.6 kg
Permissible temperature range (environment / storage)	+5 °C to +40 °C −20 °C to +60 °C
Maximum relative humidity	93 %
Altitude	Up to 5000 m
Switched-mode power supply	AC adaptor 100 – 240 V AC, 50/60 Hz, 0.18 A Input, 6 V DC, 1 A Output
Current consumption in standby mode	Approx. 150 mA with power supply. Approx. 30 mA on battery
Unit battery	3.6 V NiMH battery, 2.2 Ah
Battery operating time	Min. 48 h with one 30-minute call. All values on date of purchase with a fully charged battery
Communication connections	Ethernet/VoIP, PSTN
Receiver	Complies with category 1 as specified by EN 300220-1 V3.1.1
Frequency	869.2125 MHz
Environmental class	Class 1 as specified by EN 50134-3
Degree of protection	IP32 (IP30 wall mounting)
Max. number of wireless transmitters and 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 (TS 50134-9, RBIP-S, SCAIP, RBIP, SIP, telephone, RB2000, RB2000E, TTnew+, CPC, BS8521)
Programming options	• Remote programming via TeleAlarm® Cloud Services • Configuration Manager • Remote programming from alarm receiving centre • Service mode
Hands-free range	Min. 15 m (voice possibility when telephone is on-hook)
Self-test function/ test call	• Analogue protocols: Freely selectable from 1 to 28 days. • IP protocols: Freely selectable from 1 to 999 hours
Available languages	Dutch, English, French, German, Spanish, and tone only

User guidance	Synthetic speech and LED indication
User assistant	"Synthetic speech disabled" mode
Connectivity	• LAN/Ethernet connection (10/100 Mbps) • Phone line (PSTN) • External telephone • Internal I/O (TA74 IO only)
Vocal reminders	Three recordable reminder messages (max. 15 seconds) (programming of day/time of playback)

Technical specifications of wireless transmitter

Dimensions (H × D)	11 × 41 mm
Weight	15 g
Permissible temperature range	Operation: −10 °C to +55 °C Storage: −20 °C to +80 °C
Electrical power supply	Replaceable lithium battery CR2430
Current consumption	Transmission power: max. 22 mA Quiescent mode: max. 3 µA
Battery lifetime	Approx. 5 years if one emergency call is triggered per day. Automatic radio link and battery monitoring every 21 hours
Frequency	869.2125 MHz
Stability (0 °C to +55 °C)	< 2.5 kHz
Modulation	FSK
Antenna	Integrated
Radiated intensity	Approx. 320 µW
Degree of protection	IP67 in accordance with IEC 60529
Environmental class	II
Maximum range	• Inside buildings: 30 – 50 m (depending on the building structure) • In the open air: max. 300 m

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 V2.1.1

EN 62368-1

EN 62479

EN 50130-4

EN 55032

EN 301 511 V12.5.1

EN 301 908-2 V11.1.1

EN 301 489-7 V1.3.1

EN 301 489-24 V1.5.1

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

Approval by healthcare providers

TA74 Pos. No. Pflegehilfsmittelverzeichnis (register of care aids):
52.40.01.1093

Scope of delivery

Quantity	Component
1	Pre-installed rechargeable battery
1	Internal wired I/O (1 input / 1 relay output) (TA74 IO only)
1	Wireless transmitter including CR2430 battery and necklace or bracelet
1	Power adapter
1	Optional telephone cable and/or network connection cable
1	Optional manual for technicians/installers
1	Quick Guide for users
1	Optional manual for technicians/installers
1	Quick Guide for users