

### DESCRIPTION

The COBS portable alarm transmitter series PAT, PAT+, PAL+ and PAF+ provides increased security and personal safety.

The transmitters are small, slim, and handy, and can be worn in several ways. Users can raise an alarm by manually pressing the alarm button, once or twice depending on your chosen settings.

The alarm is sent to the radio receiver A-TRAX or A-TRAX IP that forwards the alarm to COBS Messaging Server (CMS). The alarm can then be displayed on various devices such as COBS wireless DECT phones, via web application and a mobile phone.

All alarm transmitters have a continuous battery monitoring and transmits a warning signal if the battery level is low.



#### PAT

PAT is the entry level alarm transmitter with push button functionality.

#### PAT+

PAT+ is like PAT but with the option for customers to exchange the front, gasket and the battery, saving both cost and environment.

#### PAL+

PAL+ is like PAT+ but with an integrated location receiver meaning all alarms are provided with a location, enabling the receiver to locate the user of the PAL+. PAL+ detects A-POS location beacons and provides accurate location information when an alarm is raised either manually with the push button or automatically when passing defined locators. Automatic alerts could be used for dementia alarms.

PAL+ has built-in motion/inactivity sensor alarms and can therefore give an alarm when a period of inactivity occurs.

#### PAF+

PAF+ is developed to detect hard falls in situations where the user cannot press the button after a fall. PAF+ will detect the fall and send a fall-alarm. The target groups for PAF+ are, among others, older people, users with Parkinson's disease, and people with impaired mobility.

#### Alarm Initiators:

	PAT	PAT+	PAL+	PAF+
Single push	Yes	Yes	Yes	Yes
Double push	Yes	Yes	Yes	Yes
Battery status	Yes	Yes	Yes	Yes
Location detection	-	-	Yes	-
Inactivity	-	-	Yes	-
Fall-alarm	-	-	-	Yes

## SPECIFICATIONS



### Typical Range

- Indoor: 30-70 meters
- Outdoor: 50-500 meters

### Typical Battery Life

- PAT: 4-5 years (Note: Battery replacement is not possible on PAT / approx. 30,000 transmissions)
- PAT+: 4-5 years (approx. 30,000 transmissions)
- PAL+: Approx. 2 years given 100 location detections, 10 alarms and heartbeats per day (approx. 8,000 transmissions)
- PAF+: Approx. 1 year at 4 alarms per day (approx. 1,500 transmissions)

### Technical Data

- 2-way radio
- 869,250 MHz (Social alarms)
- IP67 classified (water/dust) provided the device is properly maintained and battery exchanged is made according to the instructions.
- Battery CR2430
- Up to 65,000 positions ids.

### Accessories

- Elastic wrist band
- Neckless with safety release
- Multi-clip / Belt-clip

### Operation and Maintenance

- Programming of the units is done via radio.

### System Architecture

- The Alarm Transmitters connect via radio to A-TRAX, A-TRAX IP and A-TREP Radio receivers.
- A-POS Locators are to be used for locating with PAL+ devices

### Approvals (Regulatory Standards)

- EN 50134-2, Alarm systems - Social alarm systems - Part 2: Trigger devices

### Safety (Regulatory Standards)

- EN60950-1

*Note: For latest approvals and regulatory compliance, please check our website.*

### Environmental Conditions

- Operating temperature: +5 - +55°C
- 2014/30/EU Electromagnetic Compatibility (EMC)
- 2014/53/EU Radio Equipment Directives (RED)
- 2014/35/EU Low Voltage (LVD)
- 2011/65/EU Restriction of Hazardous Substances (RoHS)

### Physical Characteristics

- Size: 34 x 42 x 15 mm
- Weight: 15g
- IP67 classified (water/dust) provided the device is properly maintained and battery exchanged is made according to the instructions.

Part No.	Description
9009746	PAT Alarm Transmitter
9009747	PAT+ Alarm Transmitter with battery exchange possibility
9009748	PAL+ Alarm Locator with battery exchange possibility
9009766	PAF+ Alarm Transmitter with Fall sensor and battery exchange possibility
9009767	Battery & refurbishment kit for PAT+
9009768	Battery & refurbishment kit for PAL+/PAF+