

SHALOSH ECO

Lone working protection at the highest level



Position alarm



Position alarm
90° rotated

NEW



No movement alarm



Time alarm



Fall alarm



Geofencing function

NEW











Manual alarm

FELSENMEER















SHALOSH ECO

The powerful and solid personal-emergency signal device for day-to-day work

-  Professional protection
-  Seamless interior and exterior locator
-  Easy to use
-  Can be adjusted individually to your work situation
-  Maximum mobility on UMTS/GSM basis
-  DGUV Standard 112-139 (formerly BGR 139) certified
-  Can be programmed with SERVICE-STICK
-  Web server can be configured as alarm destination



Characteristics

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  Emergency call with red button |  Geofence function |
|  Data text message to headquarters & text message to work colleagues |  Indoor locator via Beacon |
|  3G UMTS-network connection |  A-GPS for outdoor locator |
|  Floor accurate locating |  Integrated fall sensor |
|  Can be operated with glove |  Remote update possible |
|  110 dBA strong alarm in emergency |  Solid housing |
|  Mailbox Detection |  Standby up to 200 hours |

Alarm types



Position alarm

Triggered if in horizontal position for a defined, configurable time. The angle can also be configured.

Many tasks are carried out while standing. If the lone worker is lying down, however, he probably requires assistance. For SHALOSH, the detection can be configured in such a way, that lying down activities do not trigger an alarm – but a lone worker who is upside down would.



Position alarm 90° rotated

Normally, a single worker works upright and a horizontal position means that he needs help. To detect this, the device requires a clearly defined position for the body of the lone worker. So far, this meant: Speakers facing head, microphone facing feet. In some situations, however, this is impractical, e.g. when driving a forklift or for general sedentary activities. The SHALOSH ECO can be configured in such a way that it normally lies on the long narrow side. An alarm is triggered if it is raised or rests on the buttons or the rear speaker.



No movement alarm

Triggered if no movement for a defined, configurable time.

The lone worker moves for most tasks, however, not when he faints.



Time alarm

Triggered if a button is not pressed within a specified, adjustable time period.

Many monitoring tasks are carried out while sitting down. The lone worker has to periodically press a button to confirm that he is present and awake.



Fall alarm

Triggered by falling with adjustable sensitivity.

A fall can cause injuries which may make assistance necessary.



Geofencing function

Geofencing is used to highlight areas which either should not be accessed or should not be left. Initially, the premises are defined using GPS coordination. SHALOSH ECO supports up to four GPS zones or up to five BEACON zones, which can also be mixed. Furthermore, it can be configured when the alarm is to be triggered: On entering or when leaving.

An alarm is triggered when the device:

- is at least within one prohibited zone or
- is outside of all permitted zones.



Pressing the red emergency call button

Face masks and gloves are the typical work clothing in hazardous environments; these must not be an obstruction when triggering an alarm.

The red button can be found “blind” and be triggered unmistakably even in extreme emergency situations. Works even when the device is switched off!

Application areas

Felsenmeer personal-emergency signal plant is flexible and allows you to cover even complex safety requirements for lone working. The personal-emergency signal device SHALOSH ECO supports you in various application areas.

- ☒ General industry
- ☒ Chemical industry
- ☒ Petrochemistry
- ☒ Energy supplier
- ☒ Seaports & airports
- ☒ Guard and security services
- ☒ Small businesses
- ☒ Agriculture
- ☒ Forestry
- ☒ Mobile emergency home service

Technical data

Product name	SHALOSH ECO	
Article number	1104005	
Call duration	Up to 8 hours	
Usage period	Without localisation up to 200 h With A-GPS and indoor locator up to 28 h	
Protection class	IP65 (dust proof and water-resistant)	
Mobile communication standards	GSM/GPRS and UMTS/HSDPA in Europa	
Acoustic elements	Loudspeaker:	Handset mode and hands-free mode
	Microphone:	omnidirectional
	Signal transmitter:	110 dBA
Operating elements	Large buttons:	Alarm and voice activation control
	Small buttons:	On/off button
Display elements	LED top:	● Network status / locator
	LED middle:	● Alarm status
	LED bottom:	●● Battery and charging status
Size	115 mm x 44 mm x 25 mm	
Weight	102 g	
Temperature range	-20 °C to +60 °C	

Delivery scope

- ☒ SHALOSH ECO personal-emergency signal device with integrated rechargeable battery
- ☒ Loading station and EU mains plug
- ☒ Belt clip
- ☒ Commissioning instructions in German and English
- ☒ As download: Operating instructions in German and English

Optional accessories

Car dock



Device bag



Multiple loading station



SHALOSH ECO in practical applications

Some activities within a company are carried out by persons working alone, e.g. when checking machines and plants across a large company site. In the event of an accident, rescue workers have to find the lone worker quickly to provide assistance. SHALOSH ECO supports this process by recognizing dangerous situations for lone workers and reports accident cause and accident location to the rescue workers.



The small, solid and easy to operate SHALOSH ECO detects four potential hazardous situations automatically. Furthermore, the lone worker can request help deliberately with the “blind” operable alarm button.

If a dangerous situation is detected, an acoustic pre-alarm is triggered. The lone worker can stop the alarm if he does not require help. The acoustic signal has been designed in such a way, that the lone worker can find the device quickly and is exposed to as little stress possible – after all the pre-alarm is not meant to cause an accident.

If the lone worker does not stop the pre-alarm or he has deliberately requested help, then the SHALOSH ECO reports the accident cause (fall, location, rest, time) and the accident location which it finds outdoors using GPS and indoors using the locator beacon. It changes seamlessly between either localising type without having a negative impact on the response time.

For the transmission, the SHALOSH ECO can use also UMTS in addition to the established GSM. If UMTS is available, then text messages can be sent quicker and the audio connection can be established in HD quality – with accordingly better clarity.

The transmission of the alarms can be configured freely. In the event of an accident, it is possible to send a data text message to an alarm centre such as the control centre, a clear text message in German to the one colleague and a clear text message in French to the other colleague. This makes it possible for them to come to the aid of the injured party if they are close by or they can initiate appropriate rescue measures.

Furthermore, the SHALOSH ECO can automatically establish an audio connection or wait for callback and accept it automatically. In this way, the crisis response can find out which help is required without the lone worker having to operate the device manually.

Once arrived at the place of the accident, the rescue workers have to quickly find the lone worker. The “acoustic vicinity locating” feature provides assistance for this. SHALOSH ECO creates an acoustic signal with the integrated powerful loudspeaker (110 dBA). This enables rescue workers to find the lone worker even in unwieldy areas, when he is unable to call for help.

The device is also easy to use in stressful situations which makes it a true personal-emergency signal device (PNG). The large buttons can also be operated “blind” and the obligatory sensor test is supported with voice announcements during start-up. Persons, who rarely work alone, are able to use the device even after a short instruction period.

SHALOSH ECO can easily be integrated into existing installations with other Felsenmeer devices.

you'll never work alone



Felsenmeer Personal-emergency signal plant

SHALOSH ECO



BEACON ECO



FELSENMEER ALARM CENTRE



GSM S EX PLUS



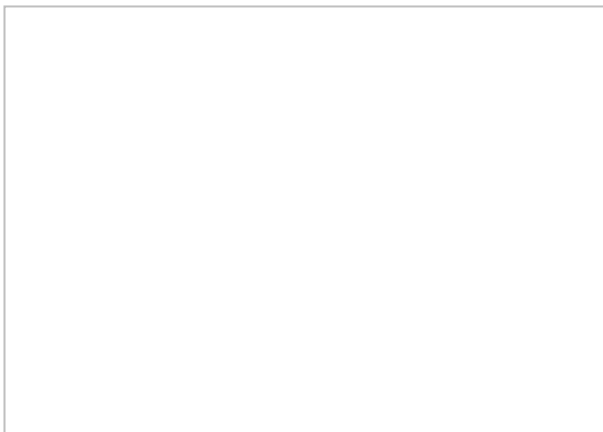
BEACON EX



FELSENMEER ALARM SERVER



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