Halo ProEx

The Intrinsically Safe Lone Worker Alarm

HALO Pro Ex is an intrinsically safe 3G/GSM/GNSS personal alarm device designed to protect lone workers in explosive hazardous areas.

Dedicated alarm device
- ManDown++, Amber alert
- SOS key for panic situations
- 2-way voice
- IP67 waterproof

ATEX/IECEx approved
- II 2 G Ex ib IIC T4 Gb
- II 2 D Ex ib IIIC T130°C Db
- VTT 16 ATEX 040X / IECEx VTT 16.0009X

HALO life cycle economies
- Support services
- Engineered and manufactured in-house by HALO

Small and smart
- Plain text On-Screen Messages
- LCD display with guiding symbols
- Pre-programmable status keys

Location fusion
- Using all means to find the person in distress
- HALO Point Netloc and HALO Point AGPS
- HALO Beacon SRD on-site locating devices

Remote device management
- HALO Point Remote Configurator
- Saves time and money in customer support

Dedicated lone worker alarm

Duty of care requires employers to give lone workers means to alert help. Depending on risk assessment, a dedicated alarm device may be required.
- Automatic ManDown++ function can trigger alert if user is incapacitated.
- When entering a risky situation, enhanced monitoring can be requested with Amber alert. It can trigger alert in ARC also in absence of GSM connection.****

ATEX/IECEx compliance

HALO Pro Ex complies with ATEX standards 60079-0:2012/60079-11:2012 and IECEx standards 60079-0:2011/ 60079-11:2011.

Efficient deployment
Remote configuration makes HALO devices fast to deploy and flexible to operate.

Alarm monitoring and tracking

All HALO Lone Worker systems are provided with 24/7/365 monitoring from our dedicated Alarm Receiving Centre (ARC). .

Time & Attendance monitoring

Optionally, HALO personal alarms can register attendance by swiping HALO Tag RF identifiers.

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Compatibility and communication
• Communicates with all systems using MPTP (Mobile Phone Telematics Protocol) both SMS and GPRS.
• Tracking and alert messages include information on GPS (Outdoor) / HALO Beacon (Indoors).

Provisioning and security
• Remote or local configuration
• Authorisation of remote and local access

Mechanics
• Dimensions: 20 mm x 45 mm x 94 mm
• Weight: 114 g including battery
• Waterproof (IP67) and shock resistant

Key telematics functionality
• Manual alert through SOS key
• ManDown++ alarm with optional alert triggers: device orientation and non-movement, free fall and impact
• Amber alert (timer alert, local + server based)
• Two-way 3G/GSM voice with speaker
• Device and user status messages
• Interactive on-screen messages
• GPS / HALO Beacon SRD tracking*
• Geofence

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Key technical features
• Quad-band GSM (850/900/1800/1900 MHz)
• 5-band 3G (800/850/900/1900/2100 MHz)
• Built-in GSM, SRD and GPS antennas
• Operating temperature -20° C.. +40° C
• Alert tones
• Vibrating alert

Operating time
• Rechargeable 1300 mAh Li-ion battery
• Typical operating times, GPS/GPRS reporting**
    7 days (1 GPS report / hr)
    4 days (1 GPS report / 10 min)
    24 hours (1 GPS report / min)
    8 hours (1 GPS report / 5 sec)
    Up to 12 days (GSM standby only)
• Recharging time*** < 4 hrs for 95 %
• NOTE! Charging allowed only with HALO Ex charger of device type CME92EU (or with USB cable FME92EU).

GNSS
• High performance 48-channel receiver
• Multi constellation GNSS receiver (GPS, Glonass, Galileo and BeiDou)
• Time to first fix: Hot start 1 s; cold start < 35 s
• Extended ephemeris on-board generation
• Motion based GPS control
• AGPS via HALO Point Services

Display and keys
• Dedicated ergonomic SOS key
• Backlit LCD display with guiding symbols
• Pre-programmable quick dial / status keys
• Answer
• Power On / Off / End call

Sales package content
• HALO Pro Ex personal alarm device with integral battery
• HALO Ex USB cable and HALO Ex charger with adapter of choice (EU/UK/AU)
• User and safety documents

Optional device features
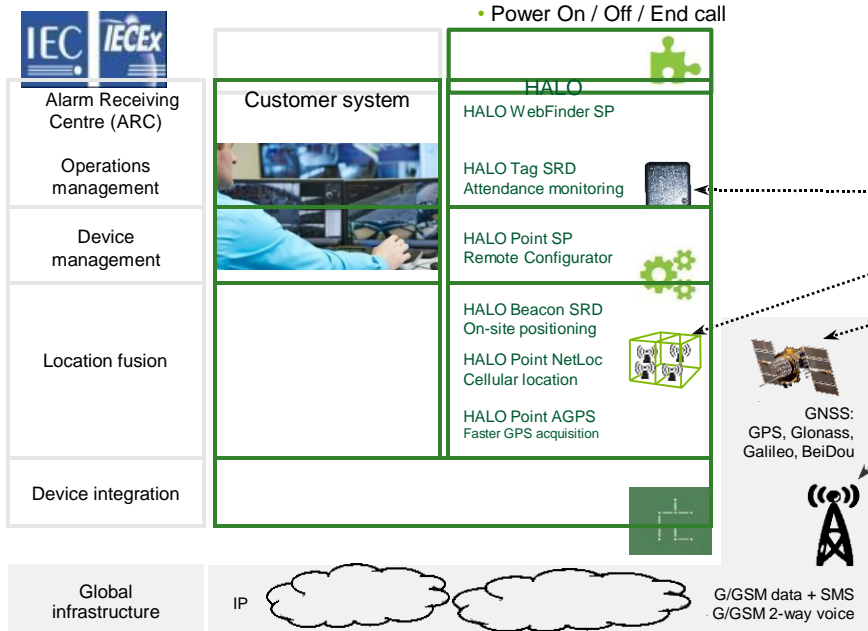• SRD (short range device) compatibility*

Accessories
HALO ATEX SRD devices:
• HALO Beacon Ex SRD locating device*
Non-ATEX SRD devices:
• HALO Beacon SRD locating device*
• HALO Tag SRD RF identifier*
• HALO Button SRD wireless alarm*

Software and resources
• HALO Configurator PC app
• HALO FirmwareLoader PC app
• HALO WebFinder monitoring SaaS
• HALO Integrator Kit for ARC integration

HALO Point Services
• Remote Configurator: turn-key service to manage all device settings over the air
• Netloc: turn-key cellular location service
• AGPS: turn-key service to speed up GPS

	Customer system	HALO	
Alarm Receiving Centre (ARC)		HALO WebFinder SP	Quick dial Status Amber alert ManDown alarm
Operations management		HALO Tag SRD Attendance monitoring	
Device management		HALO Point SP Remote Configurator	SOS key
Location fusion		HALO Beacon SRD On-site positioning	
		HALO Point NetLoc Cellular location	
		HALO Point AGPS Faster GPS acquisition	GNSS: GPS, Glonass, Galileo, BeiDou
Device integration			
Global infrastructure	IP		G/GSM data + SMS G/GSM 2-way voice

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