

MAN DOWN PENDANT DATA SHEET

WORK ALONE SYSTEM

- User worn Pendant communicates with serial Gateway device connected to CTM-15X data modem or other DCE device (satellite modem)
- ISM 2.4 Ghz, 802.15.4 network provides line of sight outdoor range of 350-800 meters
- Multiple simultaneous device support, 1xGateway supports multiple pendants
- Easy to interface Serial protocol (proprietary NMEA format) for integration with monitoring applications

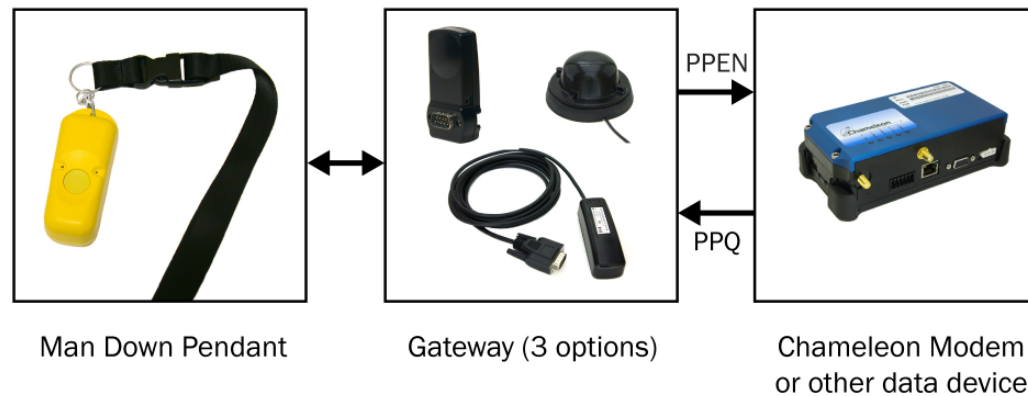
MESSAGE FORMATS

The Gateway receives messages from the Man Down Pendant and formats outgoing messages in PPEN (proprietary NMEA format) for a DCE device (modem). The Gateway receives PPQ (proprietary NMEA format) messages and transmits data to the Man Down Pendant.

EXAMPLE:

\$PPEN,0123456789ABCDEF,35,PANIC

\$PPQ,PAN, 0123456789ABCDEF,35,ACK



MAN DOWN PENDANT

Intrinsically Safe (ex ia IIC T4)
Compact, rugged enclosure
Integrated motion sensor prompts alert notification when pendant is motionless for 60 seconds
Audible beeping notification
Vibrate alert for noisy environments
Incoming "page" notification
Auto range limit detection and notification
300- 800 metre outdoor line of sight range, 25-150 metre indoor range
Operating range of -25 °C to +45 °C
Unique 16 digit hexadecimal ID (non-reassignable)
2 x AA replaceable battery
Typical battery life is 5-7 days, 10 hr/day
Maximum RF transmit power is 18 dBm or 63 mW (milliwatts)
2 status/indicator LEDs
37 mm x 37 mm x 90 mm

GATEWAY

Connects via, RS-232 port (DB-9) to DCE (Data communications equipment)
Connects to Chameleon CTM-15X modems for seamless connectivity
Provides communication gateway between pendant(s) and DCE device
Creates PPEN (Proprietary NMEA) messages for outgoing messages
Accepts PPQ (Proprietary NMEA) messages for incoming pendant control
3 LED's - Status/power/data transmit-receive (Standard Gateway)
RS-232 interface (DB-9 male)
5-32 Vdc, via external 0.65 mm jack (center +) or external leads
3.9 Vdc, via DB-9 pin 9, pin 5 gnd
72 mm x 36 mm x 18 mm (Standard Gateway), Ø130 mm x 61 mm (Rooftop Gateway), 95 mm x 33 mm x 28 mm (Windshield Gateway)