



Data Sheet

KIRK DECT 4080 Wireless Handset

Critical Communication in Explosive Environments

Special requirements exist for potentially explosive working environments within gas, oil, chemical production as well as dust-filled environments in wood-processing, ingredients and food industries. The KIRK DECT 4080 wireless handset with ATEX and IEC approval is the perfect solution for critical communication within these environments.

Security and Reliability

When working in harsh and potentially explosive environments, several issues, besides the obvious risk of explosion, present themselves as possible threats to the worker. A variety of dangerous materials can often be present, highlighting necessary security as staff members frequently work alone in remote areas; painting or spray booths, large oil refinery facilities, or enclosed environments, etc..

ATEX and IE C Approved

The EU ATEX directive as well as IEC international legislation regulates electronic equipment for use in potentially explosive working environments.

The type of protection selected for the KIRK DECT 4080 is intrinsic safety (ib). Electrical equipment is designated as intrinsically safe when all the circuits it contains are intrinsically safe. An intrinsically safe circuit is a circuit in which the short-circuit current and no-load current are limited. This means that sparks and thermal effects capable of causing ignition cannot occur in normal operation or during a malfunction. The energy in an intrinsically safe circuit is therefore less than the minimum ignition energy required for igniting an ignitable mixture.

Full Feature Handset for Professional Use

Due to its IP 64 classification, the KIRK DECT 4080 is resistant to dust and splashing water, making it an ideal communication tool in harsh working environments, indoors as well as outdoors. The KIRK DECT 4080 is targeted at potentially explosive areas in a working environment.

At a Glance

- IEC approved: Ex ib IIC T3
- ATEX approved: II2G II3D T60°C EEx ib IIC T3
- Alarm duress button
- IP 64 industrial rating for dust & water resistance
- Graphic display
- Auto login for 10 different systems
- Weight incl. battery: 130g
- Size (LxWxH): 148x50x28mm
- 9 different ringer tones
- Adjustable ringer volume
- Microphone mute
- Headset jack
- Loud speaking/Handsfree
- Vibrator
- SMS function



Features

- Graphic display
- Alarm key - ready for alarm application
- CLIP (10 caller-ID presentations)
- Internal/external ring pattern
- Volume control
- LED indication of incoming and unanswered calls
- Telephone book with room for 80 numbers
- Auto login for roaming between 10 different systems
- Silent mode (mute all sounds)
- Redial function (the last 10 numbers)
- Programming pause · Key lock
- Auto key lock
- 9 different ringer tones and adjustable ringer volume
- Microphone mute
- Headset jack
- Loud speaking/Handsfree
- Vibrator
- Automatic Off-Hook (B-answer)
- 6 menu languages (UK, DE, FR, IT, ES, NL)
- Possibility for 1 customer specific language
- SMS function (Supported on KIRK systems only), stores 14 messages of 72 characters each
- Editing possibilities for start-up text
- R-key for transfer and special services
- IP 64 classification: Dust tight/Splashing water
- ATEX approved: II2G II3D T60°C EEx ib IIC T3
- IEC approved: Ex ib IIC T3
- Speech/stand by time > 16/150 hours
- Temperature compensated charging
- Weight incl. battery: 130g
- Size (LxWxH): 148x50x28mm

Technical Specifications

The KIRK DECT 4080 wireless handset has undergone and passed the following tests:

- Cyclic humidity (IEC 60068-2-30)
- Life time (heat) (IEC 60068-2-2)
- Life time (cold) (IEC 60068-2-1)
- Life time (heat/cold) (IEC 60068-2-14 Na)
- Salt fog (Mil-std 810E 509.3.1)
- Vibration (IEC 60068-2-6)
- Life time (ringer) (IEC 60068-2-2)
- ESD (Static electricity)
- Life time (keyboard)
- User test (software)
- Drop Test (150 cm)
- Bump Test: IEC 60068-2-29
- Enclosure Protection (dripping): IEC 60529 (2001-02), Ed. 2.1, IPx2
- Enclosure Protection (splashing): IEC 60529 (2001-02), Ed. 2.1, IPx4
- Enclosure Protection (dust-tight): IEC 60529 (2001-02), Ed. 2.1, IP6x
- ATEX approved: II2G II3D T60°C EEx ib IIC T3
- IEC approved: Ex ib IIC T3