

# KA 10 Mine Telephone Intrinsically Safe

# Acorn Monitoring



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Mines Rail Tunnel Ports Factories Public Buildings Security Transport Utilities



KA10 Is an intrinsically safe telephone for use in mines and explosive environments such as petro chemical plants. Is IP65 waterproof and dustproof constructed in a multi layer isolated shell construction.

Stainless steel with sealed keypad can be programmed as a off hook auto dial emergency telephone as soon as you pick up handset the phone will put through.

High stability, anti-interference conforms to national standard GB / T 15279-2002

KA10 meets the latest European / UK standards for EMC telephony, waterproofing and lightening protection offering a high level of performance and reliability.

## System Features. ticks all the right boxes

- ✓ Analogue Mine telephone
- ✓ Intrinsically safe coupler
- ✓ Suitable for explosive environments
- ✓ IP65 Waterproof dustproof
- ✓ DTMF dial tones
- ✓ Compatible with most PBAX PBX
- ✓ Stainless steel with fully isolated compartments
- ✓ Armoured stainless steel waterproof cables
- ✓ Handset made of special engineered plastic, anti knock resistant, high tensile strength
- ✓ Adjustable 7 minute time out to release the line if phone left off hook
- ✓ High stability, anti-interference conforms to national standard GB / T 15279-2002 - CE Mark FCC

## Trusted By Customers - Worldwide

Koon Technology telephones are in service with many of the world's largest companies: Railways, Underground, Mining, Power Generation, Airlines Banking, Government, Shopping Malls to name but a few.



Unsafety port

safety port

**KA 10**

**Mine Telephone  
Intrinsically Safe**

**Acorn  
Monitoring**



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**ASTRA  
ERICSSON**



Alcatel-Lucent



**SIEMENS**

**NORTEL  
AVAYA**



Koon Technology is approved by the above manufactures and many more...

### Technical Specifications

Ringng level: 70dB (A)

Dual Tone Multi-Frequency (DTMF) dialing:

Frequency deviation:  $\leq 1.5\%$ ; low base level:  $-9 \pm 3\text{dB}$ ;  
frequency group level:  $-7 \pm 3\text{dB}$  frequency combination  
of the high-low difference:  $2 \pm 1\text{dB}$ ; total harmonic  
distortion at least below the fundamental level low 20dB  
Call transmission index:  $\text{SLR} \leq 12$ ,  $\text{RLR} \leq -1$ ,  $\text{STMR} \geq 10$ ,  
output impedance:  $600\Omega$

Electro-acoustic characteristics: Sending loudness rating  
 $\geq +2 \text{ dB} \leq +12 \text{ dB}$  receiving loudness rating  $\geq -8\text{dB} \leq -1\text{dB}$   
side tone masking rating value  $\geq +3 \text{ dB} \geq +10 \text{ dB}$

Dimensions : 340\*235\*165 (mm)  
Packaging Materials : EPE, Carton  
(Gross weight) : 2.5KG  
(Net weight) : 3KG

### Certified Standards

Ingress protection: IP65  
CE Mark - FCC - ISO 9001  
RoHS Compliant



All information and specifications are subject to change  
without prior notice "preliminary" only.

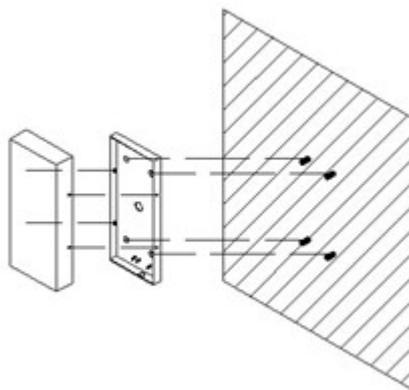


unsafely port

safety port

Photo above is a safety coupler, the telecom operators  
lines connect to the unsafely port, the telephone connect  
to the safety port. This safety coupler has to placed in  
somewhere safety, the telephone can been placed to  
where the workers working nearby. Attention, the  
connection between the telephone and safety coupler has  
to sealed and the connection is strong.

### Mounting Plate



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