

VOICECOM TELEPHONE

Communications

Application

The Ampcontrol VoiceCom Telephone has been designed for use in the coal mining industry. The telephone is Ex ia certified for use in Group I hazardous areas, and provides a reliable solution to suit harsh underground environments.

Features

- Fully compatible with existing Ampcontrol telephone systems
- Lightweight (<2kg) and rugged design (IP67)
- Easy installation
- Field-replaceable handset
- IEC certified
- Programmable quick-dial numbers
- Automatic hang-up after 30 minutes of being off-hook
- Optional Push-To-Talk (PTT) for noisy environments
- Programmable emergency call button (555 default)

Description

The VoiceCom Telephone has been designed to provide a user friendly communications solution. The lightweight design is coupled with an integrated carry handle to allow for easy transport and installation.

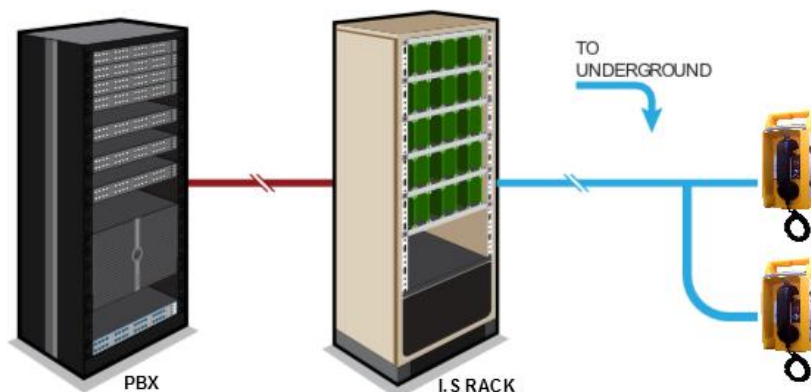
The unit can be mounted via the carry handle using 24mm rib bolts or M5 mounting screws. Mounting loops are provided for general use including for extra mounting or for attaching additional phone information (for example, a phone list). The spring retained handset provides security and reduces the risk of damage, while providing improved portability of the unit. Should the handset be damaged, it may be replaced without the need to remove the telephone from the field.

Ampcontrol recommends 0.90mm cable for maximum performance. This cable can provide for a distance of up to 20km. An integrated terminal compartment allows for simple connection and can be accessed using a single retained hex nut. The cable is securely terminated through pre-tapped M16 gland entries into spring-cage terminals.

Integrated audio and visual notification is provided to signal an incoming call. Adjustable Volume Control allows configuration for particular applications. Inadvertent operation of the Emergency call button is avoided by only allowing operation after the button is pressed twice in succession. Up to three (3) VoiceCom telephones can be connected in a party line configuration allowing expansion of the telephone network.



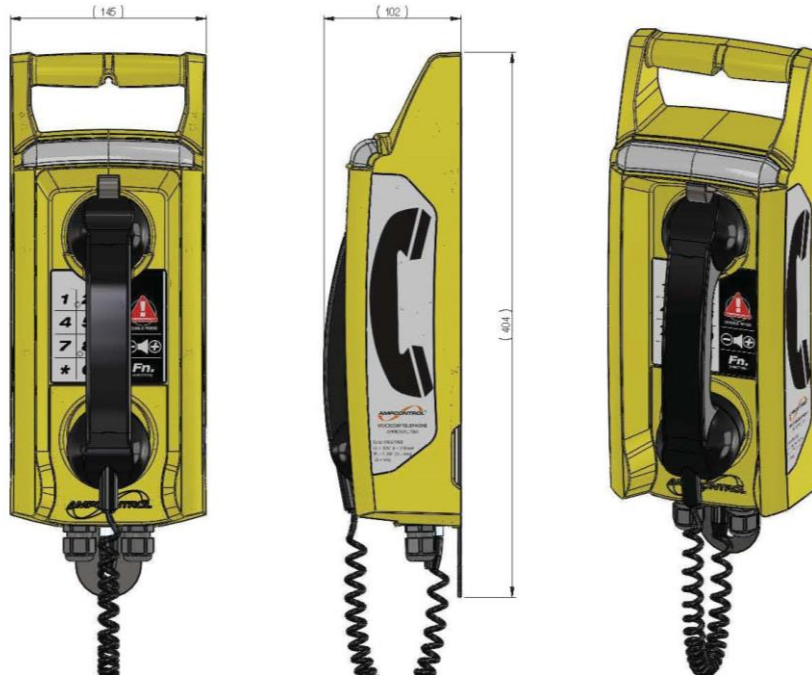
Connection Diagram & I.S. Parameters



I.S. Parameters:

Terminals LINE IN
 $U_i = 30V$
 $I_i = 200mA$
 $P_i = 1.3W$
 $C_i = \text{Negligible}$
 $L_i = \text{Negligible}$

Dimensions



Specifications

General	
Certification	IECEX MSC 14.0019X, Ex ia
Ringing Voltage	5-24VDC
Operating Temperature	-20°C - 60°C
Humidity	0-90%, non-condensing
Operation	
Cable Details	Refer to User Manual for cable information
Keypad	Dimple on "5" and "Emergency" buttons
Indication	Yellow Ringing LEDs
Compliances	IEC 60079.0 IEC 60079.11 ETR 051 ITU-T P350 ITU-T E161
Mechanical	
Dimensions (HxWxD)	404x145x102mm
Ingress Protection	IP67
Electrical	
Incoming Connection	Connect to "Line In" terminals via cable gland
Party Line Connection	Connect to "Line Out" terminals via cable gland
Find Out More	
For more information on this product, contact Ampcontrol Customer Service on +61 1300 267 373 or customerservice@ampcontrolgroup.com or visit the Ampcontrol website: www.ampcontrolgroup.com	

Ordering Information

Part Number	Description
169890	TELEPHONE VOICECOM WITH NORMAL HANDSET
169893	TELEPHONE VOICECOM WITH PTT HANDSET
170364	REPLACEMENT HANDSET FOR VOICECOM TELEPHONE
170365	REPLACEMENT PTT HANDSET FOR VOICECOM TELEPHONE
172639	REPLACEMENT TERMINAL COVER AND O-RINGS
175126	ASSY MTG PHONE VCOM

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