



### VoiceLock

#### Combined Loudspeaking Intercom and Lockout Unit



- Intrinsically safe (MSHA)
- Corrosion proof
- High reliability
- High output
- Battery backup
- Protected Lockout switch
- Non-handed
- Up to 127 individually monitored and identified unit positions
- Simple 4/5 wire cable

VoiceLock is a combined loudspeaking intercom and lockout unit for use with the CLOIS 3000 Combined Communication, Lock Out Indication & Signalling system.

The VoiceLock combines a battery powered loudspeaking intercom and a lockout in one rugged rustproof enclosure. An internal Nickel Metal Hydride battery provides the power for the amplifier and is trickle charges from a central power supply unit via an interconnecting cable. It also allows communications during mains failures.

The unit comprises a rugged rustproof fiberglass enclosure which houses a front facing high efficiency horn loudspeaker, a tropicalised microphone, Call & PTT buttons, a protected Lockout switch, battery, electronics and terminal blocks.

Cable entries are provided at each side of the unit. Internal connections are to terminal blocks.

#### Approvals

MSHA IA-18453

The following facilities are provided:

#### Broadcast Audio

Signals on the Audio wire, which exceed a preset threshold, are broadcast by the loudspeaker. Output level is up to 93dBA @ 1m during PSA.

#### Speak (PTT)

Pressing the Speak button disables the loudspeaker and enables the microphone. Speech will be broadcast by any other unit connected to the circuit.

#### Call

Pressing the Call button causes the VoiceLock or a Central Controller to broadcast a 2kHz tone for the time that the button is pressed.

#### Lockout

Operating the Lockout Switch breaks the Lockout line and generates an interrupt to a Central Controller over the Audio line. The Central Controller can interrogate the unit to determine the lockout position. A facility is provided to lock the switch into its operated position.

