



Auteldac 101 Intrinsically Safe Telephone



- **DTMF/LD dialling**
- **Intrinsically safe**
- **Broadcast speech option**
- **No moving parts**
- **Emergency push button**
- **Rugged construction**
- **Water and dust resistant**

The Auteldac 101 (I.S.) push button telephone, purpose-designed for underground coal mining installation and use, provides automatic dialling via a surface interface into a standard PAX or PABX surface exchange. Its ruggedised, welded steel casing with stove-enamel coating is saline resistant. The telephone is made of glass filled polyester with polycarbonate handset and stainless steel or curly cord. Impact resistant, it is sealed to IP66. Twin speakers give over 90dB SPL for ringing and when used as a loudspeaker unit under emergency conditions.

The all-electronic internal module is conformal coated for reliability. An easily accessible Ni-MH battery module in each telephone provides the internal audio amplifier's operating supply. Batteries are trickle charged from the telephone line.

Connection is via a simple twisted-pair cable that can be contained within a multi-core if required. Up to three telephones can be connected for 'party-line' working from one line pair by a four-core link.

Operation is simple, with finger guide holes to eliminate mis-dialling, even when wearing thick gloves. An easily distinguishable button operates an emergency alert (to an Emergency desk, if fitted).

The telephone may be configured for both DTMF and LD dialling. On DTMF, using the STAR, HASH and RECALL buttons, all the exchange's facilities can be used.

Immediate re-dialling is achieved by use of the RECALL button.

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TECHNICAL SPECIFICATION

Controls:

- Press to Dial/Accept call
- Keypad Dialling
- Press to Recall
- Press for Emergency
- Press switch on handset (disables broadcast speech)

Operating Power:

8.4V dc from internal 600 mAh Ni-MH rechargeable battery module, charged from the line @ 24V dc at 10mA

Operating Current (from battery):

100mA nominal (loudspeaker ringing)

Loudspeakers:

Two (Mylar) facing each way along the Roadway

Audio Output:

2W peak into 4 Ohms

Acoustic Output:

95dB @ 1m

Distortion:

<5%

Casing Surround:

Sheet steel, stove enamelled

Telephone Module:

Carbon loaded glass-filled polyester

Handset:

Polycarbonate

Degree of Protection:

IP66

Weight:

9.5kg

System Supply:

Surface 24V dc 40 Ah batteries, charged from mains supply.

System Standby:

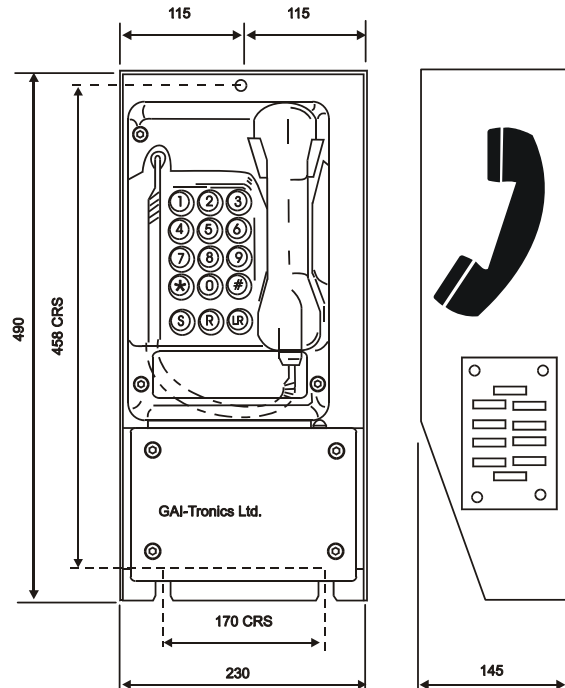
From 40Ah battery set

DIMENSIONS

W-230MM X h-490MM X d-145MM

Fixing Centres:

H-458mm x W-170mm



APPROVALS

Complies with EN50 014/020

M. and Q.S.A. Approval No. 75

BCC Acceptance No. 901

ORDER CODE

022-02-0013-001

NOTE

Outside of Europe new units can be purchased. Within Europe these items are only available for spares and repairs

