

ACET32

The ACET is a safe area man machine interface and facilitates operator control of a high integrity voice / alarm broadcast. The unit comprises of hyper cardioid goose neck mounted noise cancelling microphone transducer, integral signal processor, membrane tactile operator key pad and duplex data communications processor.



The unit is housed in a robust sheet steel wall / desk enclosure and is phantom powered from the host voice / alarm equipment. Fidelity performance is assured by a wide bandwidth baseband speech channel which provides highest intelligibility and security of communications. Integral surveillance monitors critical path security including the microphone transducer coil. Supervision of audio paths is by in band DTMF signalling tones which are resolved by the host equipment, digital communications are error checked to provide early warnings of any critical route deterioration. Operator button configurations are held in "on board" data processing hardware which enables future adjustment to cause and effect. Authorised changes to ACET32 parameters are effected by personal computer (running ACEWINner Windows suite) which may be implemented locally or remotely without taking the unit off line. Reliability is enhanced by surface mount digital communications hardware and modular motherboard construction which eliminates hard wired internal connections.

Mechanical Specification

Weight	3kg
Height	108mm
Width	264mm
Depth	180mm
Temperature Range	-10oC to +40oC
Material	Mild steel rear box
Finish	Semi gloss black
Location	Indoor / sheltered safe area

Key Features

- ✦ 32 Buttons preconfigured
- ✦ 32 LED indicators preconfigured
- ✦ 8 Uncommitted LED indicators
- ✦ 2VU LED's
- ✦ 1 Power on LED
- ✦ 1 Data communications LED

Field Cable Requirements

- ✦ Audio - 1 Pair
- ✦ Data Comms - 1 Pair
- ✦ 24 V.D.C. Supply - 1 Pair

ACET32F is fitted with a fist microphone in place of the goose neck microphone.

Electrical Specification

Supply	24V D.C.
Tolerance	± 15%
Consumption	~ 200mA
Frequency response	150Hz - 20KHz
Data comms baud rate	78K baud
Surveillance	DTMF signalling tones

