

ACET44

The ACET44 is a safe area man-machine interface that facilitates operator control of a duplicated/non-duplicated ACE100 high integrity voice/alarm broadcast system.

The unit comprises a hypercardioid goose-neck mounted noise cancelling microphone, integral signal processor, membrane tactile operator keypad and optional alarm key inhibit function.



The ACET44 terminal allows up to 44 configurable operator buttons for either a duplicated or non-duplicated ACE100 system. Operator button configurations are held in "on board" data processing hardware which enables future adjustment to cause and effect. Authorised changes to ACET44 parameters are effected by PC (running ACEWINner software suite) which may be implemented locally or remotely without taking the unit off line. Each button has two associated LEDs; one for the 'A' side system and one for the 'B' side system.

The unit can be rack mounted or housed in a robust wall/desk enclosure and is 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.

To prevent accidental alarm initiation, an Enable Alarm switch is provided. This allows the bottom row of buttons to be disabled to prevent accidental use. This row of buttons is split into two groups: Group1 is buttons 34 to 38 and Group2 buttons 39 to 44. This means that either group or both groups can be inhibited. Group selection is performed by links settings on the rear of the membrane. When the Enable Alarm switch is active, it's internal LED illuminates and the selected group/s of button function as normal. When the switch is inactive, the internal LED is extinguished and the selected group of bottom row buttons stop working. If the button disable function is not required, the links are set accordingly on the back of the membrane and the Enable Alarm switch performs no function.

The unit may also be fitted with an ACE100 Enhanced Status Display LCDi unit to enable display of detailed system information. This 1U add-on gives detailed system information to the operator using one LCD screen per system.

Key Features

- ✓ 44 Buttons configurable with ACEWinner software
- ✓ 88 Button indicator LEDs (44 per system)
- ✓ 2 Supply On LEDs (1 per system)
- ✓ 2 Data communications LEDs (1 per system)
- ✓ 2 Fault LEDs (1 per system)
- ✓ 2 Healthy LEDs (1 per system)
- ✓ 4 VU LEDs (2 per system)
- ✓ 4 Uncommitted LEDs (2 per system)
- ✓ 1 Enable Alarm Switch
- ✓ Compatible with Enhanced Status Display LCDi unit

Field Cable Requirements:

- ✓ Audio 1 Pair
- ✓ Data Comms 1 Pair
- ✓ 24V DC Supply 1 Pair

Electrical Specifications

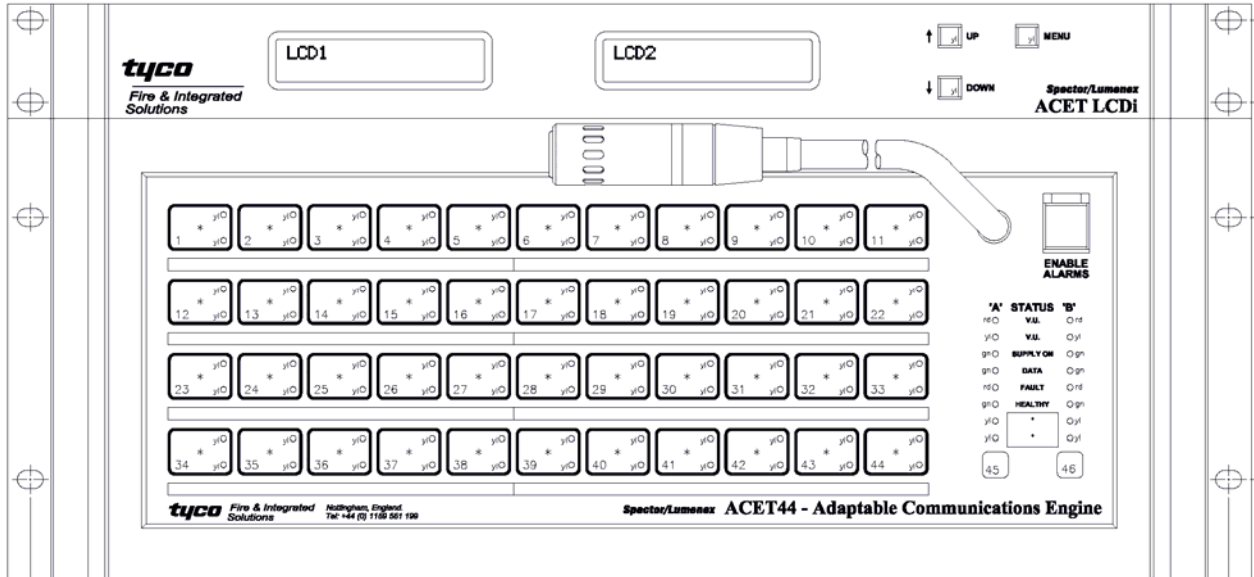
Supply Voltage	24±10% V DC
Current Consumption 'A' System	400mA
Current Consumption 'A/B' System	800mA
Frequency Response	300Hz to 10kHz

Mechanical Specifications

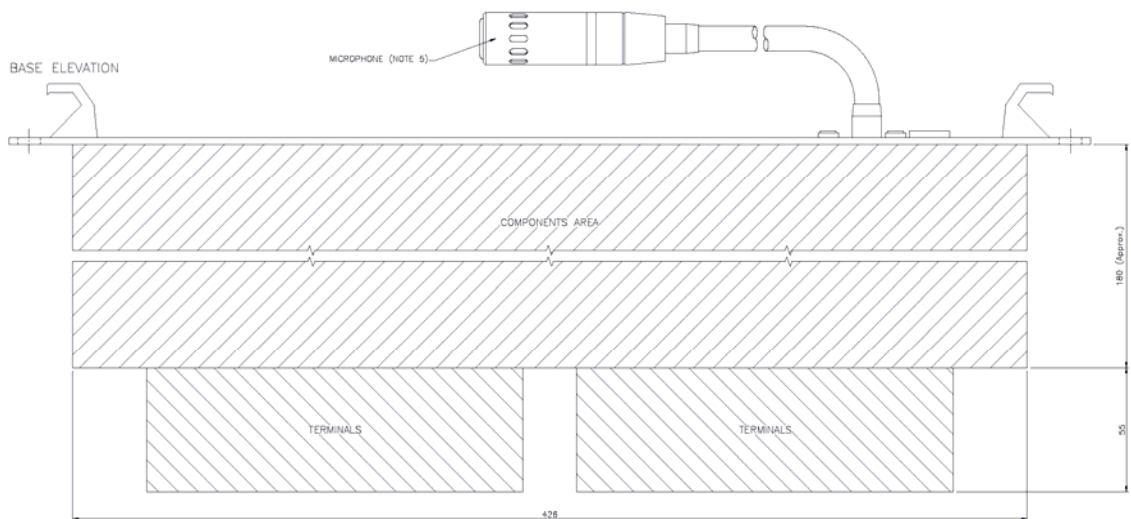
Weight	'A' Membrane	2.5kg
	'A/B' Membrane	3.7kg
	'A' Desktop	9.3kg
	'A/B' Desktop	10.5kg
	'A' Rack Mount	5.2kg
	'A/B' Rack Mount	6.4kg



ACET44 + Optional LCDi Layout



ACET44 + Back Box Side View



ACET44 + LCDi Desk Mount Box

