

## TC-1 - BASE STATION CONTROL UNIT

### ■ KEY FEATURES



- User selectable signalling format
- Compatible with most control systems
- Alarm inputs
- Both way monitor facility
- Receiver voting option
- Engineers Handset option
- Panel mount option

### ■ IN BRIEF

This compact and flexible unit extends complete remote control of any system base station to existing control room systems, or alternatively to any one of the companion controller products available from AWCSL. Similarly, the TC-1 can be deployed with a remote fixed mobile to provide Reverse Frequency Trigger operation.

The TC-1 Control Unit can control base stations from all the leading manufacturers. This is achieved from the user selectable line control protocols.

### ■ SYSTEM COMMUNICATION

To control the base station, the TC-1 can be user programmed for 300 baud FSK signalling, Tone Remote signalling or proprietary FFSK line signalling. This would require the deployment of a compatible Desktop Control Unit or DS-32 Switch available from AWCSL.

Front panel indicators provide clear status conditions of the connected base station including Transmit, Receive, Talkthrough and other facilities.

External facility switching and site alarm inputs are available via open collector drivers presented on the rear connectors. More complex facilities are available with the addition of daughter boards and flash software upgrades.

The TC-1 includes a both way audio monitor feature. This feature allows parallel connected operator units to hear outgoing transmit audio from one another as well as incoming receive audio. This facility is also user selectable.

Most base stations provide a nominal 12volt dc output via the facility connector. Should power not be available from the base station of choice a separate 12volt dc power supply unit is available.

## ■ USER CONFIGURABLE

In common with all AWCSL products the TC-1 is fully user programmable. Located on the rear panel of the device are two banks of 8 dip switches. These switches facilitate the operating conditions of the TC-1 and can be pre-set at the manufacturing stage or during installation.

## ■ OPTIONS

To facilitate simple and convenient rack mounting a version of the TC-1 is available as a 1U panel mount variant.

For systems employing best received signals from multiple receiver sources, the TC-1 unit has the option for stepped tone receiver voting capability. This is provided by the addition of a daughter board.

Local access to the TC-1 is available via an optional engineer's handset facility. This feature allows an engineer at site to select local control of the base station, line connection back to the control position or to monitor audio from both directions without the ability to transmit audio in either direction.

## ■ CONNECTORS

25 way D type	Base station connector
RJ45	Line connector
2pin power socket	Separate power supply input

## ■ SYSTEM SPECIFICATION

Dimensions:	180mm(w), 115mm(d) & 25mm(h)
Power supply:	12v dc
I/O:	Open collector drivers
Line:	-2 to -20dBm 4 wire 600ohms
M80 Emulation:	Local or Remote supervisory, user selectable
Motorola Tone Remote:	User selectable key-tone frequency
FFSK line control:	Proprietary signalling format common with other AWCSL products

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In the interests of continued development, AWCSL reserve the right to change this specification without notice.

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