

The Enhanced Digital Access Communications System (EDACS) Tone Remote Controller is a versatile, full-function controller used for operating and controlling a remotely located EDACS base station. Remote operation is accomplished over telephone lines or a continuously keyed radio frequency link.



Product Overview

This user-friendly remote controller is designed to maximize efficiency with easy-to-read light-emitting diodes (LEDs) that provide operator information at a glance. The built-in speaker, indicators, and selector switch are attractively and logically grouped to assure convenient operation and control. Multiple units can be used to control one station.

Flexible Control

Remote controllers allow operation of a base station radio via wire line or leased line. For added flexibility, the Tone Remote Controller can control and display up to five functions. Parallel controllers can receive indications of transmit and remote selections. In addition, 25 or more dispatch points

(remote controllers) can operate from a single station.

Dispatchers may choose from a phone-style handset or small desk microphone. For intercom-style operation, remote control units can communicate with appropriately equipped control stations or other remote controllers without activating the transmitter.

In Case of Emergency

Tone controllers can be equipped for automatic emergency transfer to a standby battery on loss of primary AC power. The battery is an optional purchase.

Options and Accessories

Designed to add efficiency and ease to the dispatcher's task, the remote

controller can be used with the 12-/24-hour electronic clock, VU indicator, footswitch, tapped transformer operation from 220 volt or 117 volt 50/60 Hz sources, and wall mount.

Additional options and accessories include a one-touch transmit button, a 32-character alphanumeric display, a 12-VDC power cable for easy installation of the battery backup, and a 12-button Dual-tone Multifrequency (DTMF) encoder with keypad.

For More Information

For more information about this or any other M/A-COM Wireless Systems product, call 1-800-368-3277. From outside the U.S. call +1-434-455-9223 (Asia Pacific), 1-434-455-9229 (Latin America and Middle East), or 1-434-455-9219 (Europe).

General Specifications

Dimensions (H x W x D):

4.75 x 10 x 8 in.
(12.06 x 25.40 x 20.32 cm)

Weight (max. function):

4 lb 15 oz (2.23 kg)

Input Voltage:

117/230 VAC \pm 20%, 50/60 Hz

Standby Voltage:

12-15 VDC
287 mA (TX)
620 mA (RX) (Standby)

Power Input (max.):

8.5W (TX), 20W (RX),
8.5W (Standby)

Line Impedance (1 kHz):

600 ohm (TX)
600 or 5k ohm (RX)

Line Audio Output (600 ohm load):

-20 to +10 dBm

TX Hum and Noise (ref +11 dBm):

-55 dB

Threshold of Compression (Line to Speaker Audio):

-20 dBm adjustable

Speaker Audio Output (RMS):

3W into 4 ohm

Distortion (at Rated Speaker Output):

Less than 3%

RX Hum and Noise:

-49 dB

Frequency Response

(300 to 3000 Hz):

+1, -3 dB except at notch frequency

RX Compression:

With an audio increase of 30 dB
beyond the start of compression, the
output increases less than 3 dB

TX Compression:

With an audio increase of 30 dB
beyond the start of compression, the
output increases 15 to 16 dB

Line Control:

4-wire audio

Temperature Range:

-32 to +140°F
(0 to +60°C)

Relative Humidity:

90% at 122°F (50°C)

Performance

Compression:

With an audio increase of 30 dB
beyond the start of compression, the
output level increases less than 3 dB

Distortion:

3% at rated output

Frequency Response:

+1, -3 dB (300 to 3000 Hz)

Receive Mode

Audio Output:

3W at 4.0 ohm

Hum and Noise:

-50 dB (below rated output)

Longitudinal Balance:

40 dB (over freq. range)

Transformer Hybrid Balance:

60 dB (1000 Hz)

Terminating Impedance:

600 ohm

Bridging Impedance:

3000 ohm at 300 Hz
10000 ohm at 1000 Hz

Transmit Mode

Output:

+11 dBm (600 ohm load)

Hum and Noise:

-49 dB (below +11 dBm)

Tone Remote Control and Functions

The Tone Remote Controller is field programmable. The Tone Remote Controller will select and display up to five channels in the standard configuration provided that it is equipped with a tone termination panel with the appropriate capabilities.