



DTMF Decoder Models 12-96035 & 12-96045

Application & Features:

The LMG 12-96035 and 12-96045 DTMF Decoders are most often used to facilitate remote call-ins to communication consoles and intercoms. They can decode 1, 2 or 3 digit DTMF addresses and any of the 16 DTMF digits can be used in the address.

The Decoder sends an answer back tone to the caller once the proper address is decoded. If the called equipment can use a ground signal for call-in, the 12-96045 is the appropriate device. If a Decoder with built-in visual and audible call-ins is required, the 12-96035 is the appropriate device.

Operation:

The DTMF Decoder is wired into the circuit parallel to the operator's console. When the Decoder detects the proper DTMF sequence, it will initiate a call-in and send a momentary answer back tone to the caller. With the 12-96045, the call-in consists of a momentary ground signal sent to the console or other equipment. With the 12-96035, the call-in includes the answer back tone and momentary ground signal of the 12-96045, plus a buzzer sounds momentarily and an LED is turned on. The LED remains on until the operator presses the "cancel" push button.

Physical Description:

The DTMF Decoder is packaged in a sturdy steel enclosure. Power and line connections are made on a terminal strip inside the unit. The 12-96035 has an internal buzzer and an external LED for call-ins. The LED cancel push button is located adjacent to the LED.

Specifications & Ordering Information:

Line type:	2-wire or 4-wire communication lines (jumper selectable)
DTMF Address:	1, 2 or 3 digit, jumper selectable (any of the 16 DTMF digit can be used)
Receive Level:	-30 to +5 dBm
Answer Back Tone:	-20 to 0 dBm, Duration of 1.5 seconds @ 1000 Hz (nominal)
Power requirement:	12 VDC, 32mA idle, 68mA activated, 100 mA activated w/LED &buzzer

12-96035	1-3 Digit 2W/4W DTMF Decoder with Lamp & Buzzer
12-96045	1-3 Digit 2W/4W DTMF Decoder (no lamp/buzzer)

11/2000 Specifications subject to change