Pipo® Communications
Emphasis is on Quality and Reliability
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DTMF ENCODER BASIC INFO

CONNECTIONS

J1
RED .... (P1) ...... (+) 6-26 VDC
GREEN .... (P2) ...... (-) GROUND
BLACK .... (P3) ...... AUDIO OUT
BROWN .... (P4) ...... RELAY CONTACT*
BRN/WHITE ...... (P5) ...... RELAY CONTACT*
*SPST 26 WATTS 1A @ 26 VDC, RESISTIVE LOAD

PCB EYELET
(G) .... GROUND
(M) .... MIC MUTE RELAY*
(PTT) .... PTT XMTR*
*TRANSISTOR OUTPUT 200 MA MAX @ 20 VDC

JUMPERS & ADJUSTMENTS

JP1 .... MEMORY DISABLE .... (CLOSE)
JP2 .... STORE & SEND .... (CLOSE)
JP3 .... HIGH IMPEDANCE .... (OPEN)
JP3 .... LOW IMPEDANCE .... (CLOSE)
JP4 .... RELAY NC .... (CLOSE)*
*INSTALLED

P1 .... AUDIO ADJ. POT
P2 .... PTT HOLD ADJ. POT

DTMF BASIC OPERATION

DTMF LAST NUMBER REDIAL (LNR)*
PRESS ✱ + # (TOGETHER) THEN RELEASE TO SEND.
*VOLATILE MEMORY, CLEARS WITH POWER OFF

DTMF STORE AND SEND*
TO STORE: PRESS ✱ + 0 (TOGETHER, TWICE), FOLLOWED BY NUMBERS TO STORE.
TO SEND: PRESS 0 + # (TOGETHER), TWICE.

DTMF MEMORY DIALING (1 TO 9 LOCATIONS, 30 DIGITS EACH)
TO STORE: PRESS ✱ + 0 (TOGETHER), THEN **1** (FOR MEMORY 1 LOCATION) FOLLOWED BY THE NUMBERS TO STORE.
TO STORE: PRESS ✱ + 0 (TOGETHER), THEN **2** (FOR MEMORY 2 LOCATION) FOLLOWED BY THE NUMBERS TO STORE.
TO SEND: MEMORY 1 LOCATION, PRESS 0 + # (TOGETHER) THEN **1**.
TO SEND: MEMORY 2 LOCATION, PRESS 0 + # (TOGETHER) THEN **2**.

DTMF SPECIAL FEATURES

DTMF SINGLE TONE GENERATOR
(PRESS **0** + **1** (TOGETHER) = 697Hz
(PRESS **0** + **2** (TOGETHER) = 770Hz
(PRESS **0** + **3** (TOGETHER) = 852Hz
(PRESS **0** + **4** (TOGETHER) = 941Hz
(PRESS **0** + **5** (TOGETHER) = 1209Hz
(PRESS **0** + **6** (TOGETHER) = 1336Hz
(PRESS **0** + **7** (TOGETHER) = 1477Hz
(PRESS **0** + **8** (TOGETHER) = 1633Hz
(PRESS **0** + **9** (TOGETHER) = 1000Hz

VARIABLE TONE GENERATOR (50Hz TO 5kHz)
PRESS ✱ + 0 + # (TOGETHER) FOR 3 SECONDS, THEN RELEASE. (STARTS AT 1kHz)
PRESS ✱ TO DECREASE FREQ., PRESS # TO INCREASE FREQ. (50Hz INCREMENTS)
PRESS 0 TO RETURN TO 1kHz TONE. PRESS ANY KEY TO EXIT FEATURE.

VERISON ID
PRESS ✱ + 1 (TOGETHER) FOR VERSION ID