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DS138 MANUAL:

PLAYTIME:

	32K	16K
1 pc - 4 Meg Eprom	30 secs	60 secs
4 pcs 4 Meg Eprom	2 Min	4 Min

POWER SUPPLY:

DS138 requires 12 to 18 VDC, 1 Amp, to operate. The power input terminal is diode protected, so there are no + or – terminals.

AUDIO LINE LEVEL OUTPUT:

The RCA jack line level output is capable to drive any power amplified speaker. Level is about 1 V P/P.

SPEAKER OUTPUT:

DS138 has a built in 20 watt speaker output. Connect the output to a 10-30 watt, 4-8ohm speaker. Connection is 1 / 4 " jack, MONO.

RELAY OUTPUT:

DS138 has a 1 amp relay output. This relay is ON when audio is played and OFF when idling OR during time delay. The relay has 3 terminals: C is Common, NC is normally closed output and NO is normally open output.

USER CONFIGURABLE DIP SWITCH

This dip switch is located at the rear of the DS138 unit, next to the input terminals. Switches S1 to S6 are used to select the time delay. The last two switches S7 and S8 are used to select the 6 playback modes. **CAUTION: Turn power OFF when adjusting the switch.**

TRIGGER OPERATION

To activate a trigger, momentarily short one of the inputs to GROUND. Holding it to ground continuously will repeat or advance the audio selection. (depends on the play mode).

TO STOP PLAYBACK, SP terminal

Momentarily short SP input to GROUND to stop playback.

PLAY MODE: STANDARD 8 CHANNEL S7 Off, S8 Off

Inputs 1-8 (ST is input#8) starts the appropriate selection. E.g.: input #3 plays audio selection #3. Maximum play selection is 8. Wait for playback to end before triggering another selection.

PLAY MODE: PRIORITY 8 CHANNEL S7 Off, S8 On

Similar to Standard 8 channel but playback aborts when another input is selected during playback. Maximum play selection is 8.

PLAY MODE: STANDARD AUTO ADVANCE S7 On, S8 Off

Use the ST terminal to sequentially play all audio selections. Once a selection is played, the next selection has to wait until the current selection finishes playing. The first selection will be played again after playing the last selection. Maximum play selection is 32.

PLAY MODE: PRIORITY AUTO ADVANCE S7 on, S8 On

This mode is similar to the standard auto advance mode. The only difference is that the sound aborts when ST terminal is triggered and the next selection is immediately played. Maximum play selection is 32.

PLAY MODE: STANDARD BINARY, S7 On, S8 Off

This setting is similar to the standard auto advance mode. To play the binary mode, trigger and hold terminal 1-5 and then trigger ST terminal. Triggers 1-5 represent the binary count. E.g.: If Triggers 1=off, 2=on, 3=on, 4=on, 5=off, then audio selection #14 will be played (0+2+4+8+0). Wait for sound to end before another trigger.

PLAY MODE: PRIORITY BINARY, S7 On, S8 On

This setting is similar to the priority auto advance and the standard binary mode. To play the binary mode, trigger and hold terminal 1-5 and then trigger ST terminal. Sound aborts when ST terminal is triggered and the next selection is immediately played.

ADJUSTABLE TIME DELAY

The delay is ON after an audio selection has been played back. If playback is stopped using the SP terminal, the time delay timer will not time out (aborted).

S6 ON .... 5 secs delay.		**S5 ON** .... 10 secs delay.	
S4 ON ....30 secs delay.		**S3 ON** .... 60 secs delay.	
S2 ON .... 3 Mins delay.		**S1 ON** .... 5 Mins delay.	

Use any switch combination and add the total time delay.

DIMENSION:

DS138 M unit: 8" W X 6.5" L X 1.75" H, weight 2 lbs.

DS138 NEMA: 10" W X 8" L X 6 " G, weight 7 lbs.