



HM9112/A/C

TONE/PULSE SWITCHABLE & 10 MEMORY DIALER

Features

- Tone/Pulse Switchable Dialer.
- Stores Ten 16-Digit Numbers for Repertory Dialing.
- One 31-Digit for Last Number Redial Memory.
- Auto Pause Access; 3.1 sec. per pause for HM 9112.
3.6 sec per pause for HM 9112A/C (2 sec pause time can be obtained by metal option.)
- Key-Tone Output for valid keypad entry recognition for both pulse mode and tone mode.
- Minimum tone duration = 100ms and minimum intertone pause = 106ms for rapid key-in.
- Use 3.579545MHz crystal.
- Pin selectable for M/B rate, flash time and pulse rate.
- M/B rate, flash time, pulse rate can be selected by M/B & DRS pin.

HM9112/A	M/B	DRS	M/B rate	Flash time	Pulse rate
	1	1	40:60	600ms	10PPS
	0	1	33:66	100ms	10PPS
	0	0	33:66	600ms	20PPS
HM9112C	M/B	DRS	M/B rate	Flash time	Pulse rate
	1	1	40:60	100ms	10PPS
	0	1	33:66	600ms	10PPS
	0	0	33:66	600ms	20PPS

Pin Assignment

HM9112/A/C					
COL1	1	22	ROW5		
COL2	2	21	ROW4		
COL3	3	20	ROW3		
COL4	4	19	ROW2		
GND	5	18	ROW1		
OSC.IN	6	17	V _{DD}		
OSC.OUT	7	16	M/B		
T/P MUTE	8	15	DRS		
AKS	9	14	MODE		
PULSE OUT	10	13	TONE MUTE		
TONE OUT	11	12	KEY TONE OUT		

Keyboard Scheme

COL1	COL2	COL3	COL4	
1	2	3		ROW1
4	5	6		ROW2
7	8	9		ROW3
*	0	#		ROW4
R/P	S	A	F	ROW5

S: Store A: Auto Dialing F: Flash
R/P: First touch after off-hook is redial function.
Others execute pause function.