PARAMETER	FUNCTION	DEFAULT
01	Enable CTCSS subscribers	all disabled
02	Disable CTCSS subscribers	
03	Programming the TX carrier-delay timer	2.0 seconds
04	Programming the TX time-out timer	3.0 minutes
05	Tone translations	none
06	Recalling time and hit counter data	
07	High speed time and hit counter recall	
09	Altering the program security code	set to 12840
12	Recalling the repeater time counter	
13	Display off (low power)	
14	Display on	display on
16	Recall enabled CTCSS subscriber tones	
17	Reset and clear time and hit counters	
18	TX CTCSS delay on (Busy Channel Lockout)	
19	TX CTCSS delay off	delay off
20	High Sensitivity on	high sens. off
21	High Sensitivity off	
31	Key repeater transmitter	
32	Unkey repeater transmitter	
34	Generate a CTCSS tone	
35	Enable transmit repeat audio path	
36	Generate a DTMF tone	
37	Send and generate different DTMF tones	

SECURITY CODE 12840

All of these parameters will be described in detail in the pagcs to follow. Since all of the **CTCSS** tones are disabled when you first receive your **TP-38**, the **TP-38** will not key the PTT line of the repeater transmitter until the **CTCSS** tones are enabled. However, the **TP-38** will still display any tone received, as well as record any time usage data for the **38 CTCSS** tones.

PARAMETER PROGRAMMING

The first step in programming the **TP-38** is to enter in the Security Code on the front panel keyboard or use DTMF signalling on the repcater input channel if the DTMF Module is installed. As soon as the proper code is received, the **TP-38** will display two dashes (- -) on the front panel and the PROGRAM LED will illuminate. The **TP-38** is now in the **PROGRAMMING MODE**. Signals received by the repeater receiver will not be repeated in this mode of operation.

To revert the **TP-38** back to the **REPEAT MODE**, press the "*" key. The **TP-38** will now operate as a conventional repeater. If the **TP-38** is left in the **PROGRAMMING MODE** for a period to exceed 1 hour, the unit will automatically revert itself back to the **REPEAT MODE**. The two dashes (- -) in the display are a display prompt. This means that whenever the two dashes are present, the **TP-38** is waiting to receive a new parameter number.