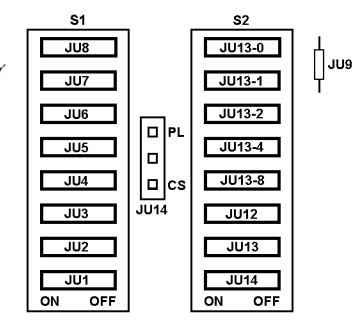


1. WHEN OUTPUT OF Q11 SWITCHES "HIGH" (BEGINNING OF REPEATER TRANSMISSION) THE "HIGH" VIA CR14, ENABLES PTT SWITCH CIRCUITRY (Q13-Q17) WHICH TURNS ON THE TRANSMITTER. THE "HIGH" IS ALSO APPLIED TO C11, DISCHARGING IT ALMOST IMMEDIATELY THROUGH R45, CR12 AND Q12 (EMITTER TO BASE).
2. THE TURN-OFF SEQUENCE IS INITIATED WHEN THE "HIGH" OUTPUT OF Q11 IS REMOVED. C11 BEGINS CHARGING, WHICH TURNS OFF Q12. Q12 IS OFF ONLY DURING THE DROPOUT DELAY. WITH Q12 OFF, A+ IS AVAILABLE VIA CR13 AND Q13 REMAINS ON. THE DROPOUT DELAY IS DETERMINED BY RC TIME CONSTANT OF C11 AND SELECTED DELAY RESISTORS R40 THRU R44.



Squelch Gate Module - TRN5331B

