

# Selectone

## ST-020 / ST-025B APPLICATION NOTE #0397

FOR USE WITH : Kenwood TK-430

APPROVAL DATE: 01FEB99S BY: RTS

### CONNECTIONS

VOICE ENCRYPTION UNIT			RADIO	
(3)	(+) SUPPLY INPUT	RED	CN201-2	SB
(9)	(-) SUPPLY INPUT	BLACK	CN201-18	E
(11)	RX AUDIO INPUT	BLUE	JUNCTION OF Q204 AND R280	
(1)	RX AUDIO OUTPUT	WHT/BLU	JUNCTION OF R280 AND IC215-6	
(12)	TX AUDIO INPUT	GREEN	JUNCTION OF Q208 AND C284	
(13)	TX AUDIO OUTPUT	WHT/GRN	JUNCTTION OF C284 AND C285	
(6)	PTT INPUT	YELLOW	CN201-9	PTT
(7)	CLEAR/CYPHER	BROWN	CN201-10	MON
(4)	BEEP	WHT/ORG	IC216-7	
(8)	PA ENABLE	BLK\BRN	JUNCTION OF R293 AND R296	
(2)	RS232 Input/Code Select 1	Violet	User determined ST-020B, N/C ST-025B	
(5)	Code Select 2	Blk/Org	User determined ST-020B, N/C ST-025B	
(10)	PTT Output/Code Select 3	Blk/Yel	User determined ST-020B, N/C ST-025B	

**NOTES:** Remove R280 & C284. Add a 22K resistor in series with the WHT/BLU wire. Add a 0.022MFD capacitor in series with the WHT/GRN wire. With the ST25 Program Manager, Program the ST-025B to double click mode, Use the MONITOR switch to select Clear/Cipher operation

Place a jumper between pins 2 & 3 on the ST-020B uP to enable Double click operation.

**R7, R22, R46 AND R47 MUST BE DETERMINE DURING INSTALLATION.**

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