

Selectone

ST-05x

APPLICATION NOTE # 0350

FOR USE WITH : JOHNSON 9842

APPROVAL DATE: 07APR98R BY:RTS

CONNECTIONS

| Note | Pin # | ST-05x Function | Wire Color | Host Radio Connection |
|------|-------|------------------------|------------|-----------------------|
| | 3 | (+) Supply | Red | W318 |
| | 9 | (-) Supply | Black | W310 |
| 1 | 11 | Rx Audio Input | Blue | W305 |
| | 1 | Rx Audio Output | Wht/Blu | W314 |
| 2 | 12 | Tx Audio Input | Green | W307 |
| | 13 | Tx Audio Output | Wht/Grn | W316 |
| | 6 | PTT Input | Yellow | W302 |
| | 10 | PTT Output | Blk/Yel | W312 |
| | 7 | Monitor/Clear/Ciphered | Brown | W309 |
| | 8 | Amp. Enable | Blk/Brn | NOT USED |
| | 5 | COS | Blk/Org | U307-6 |
| | 2 | RS-232 Input | Violet | Used for setup only |
| | 4 | RS-232 Output | Wht/Org | Used for setup only |

Notes:

1. REMOVE R354
2. REMOVE R383

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Configuration Settings for Product Manager

The following settings, with most recent updates is available as XXXXXXXX.SPM from the Selectone web site www.selectone.com.

Operating Mode Tab

| | | | | |
|--------------------------------------|----------|--------------|----------|--------------------|
| Tx PowerUp Mode | | Ciphered | X | Clear |
| Functional Rx Conditions | X | Ciphered | X | Clear |
| COS (Carrier Operated Switch) | X | Active Low | | Active High |
| User Code Key Selection | | Double Click | X | Toggle |
| PTT Input | X | Active Low | X | Common PTT |
| PTT Output | X | Active Low | | Active High |
| Special Functions | | Amp. Enable | | Special PTT In/Out |
| Missed Sync Reset | | | X | Power Save |
| Initial Synchronization Delay | | | | System Related |

Audio Levels Tab

| | | | | |
|-----------------------------------|------------|------------|-------------|---------------|
| Receiver Input Level | | | | |
| Receiver Output Level | | | | |
| Microphone Input Level | | | | |
| Microphone Output Level | | | | |
| Synchronization Level | 3dB | 9dB | 15dB | 21dB |
| <i>Internal Squelch Detection</i> | | | | <i>Enable</i> |