

GENERAL:

This revision outlines changes that have occurred since the printing of your instruction manual. Use this information to correct your manual.

INSTRUCTION MANUAL AFFECTED:**68P81084E80-O***PURC 5000 PAGING TRANSMITTER
FEATURING ADVANCED CONTROL***REVISION DETAILS:**

1. DESCRIPTION AND OPERATION SECTION(s) 2.1, 2.3 and 2.5 – Change: Reference in NOTES from Table 1 to Table 2.
2. DESCRIPTION AND OPERATION SECTION 4.1.1 – Append: The Disable LED may also be lit if the station is disabled due to Power Control Shutdown condition.
3. DESCRIPTION AND OPERATION SECTION 5 – Append: Note that the Control Panel may display “UNDEF” to indicate an undefined condition for the parameter being viewed. If this condition occurs, follow the standard edit procedure to change the parameter to either the default or user specific value.
4. DESCRIPTION AND OPERATION SECTION 5.3.1 – Delete: The Remote Frequency Adjust function does not support the use of an “Enable/Disable” parameter.
5. DESCRIPTION AND OPERATION SECTION 5.4.4.2 – Change: The Delta Delay Threshold value is programmable from 1 μ sec to 8.191 msec in 1 μ sec increments and is displayed in μ sec.
6. DESCRIPTION AND OPERATION SECTION 5.4.5.2 – Change: The Frequency Drift Threshold value is programmable from 1 ppb to 65.535 ppm in 1 ppb increments and is displayed in ppb.
7. DESCRIPTION AND OPERATION SECTION 5.4.5.3 – Change: The Intentional Frequency Offset value is programmable from 1 ppb to 32.767 ppm in 1 ppb increments and is displayed in ppb.
8. DESCRIPTION AND OPERATION SECTION 5.4.13 – Add: **MISC Options**, these entries will allow the user to set up various options to the station.
9. DESCRIPTION AND OPERATION SECTION 5.4.13.1 – Add: **Verification Tone**, this entry will allow the user to set up the 387 Hz Verification Tone feature. It is enabled or disabled via the **Tog** key.
10. DESCRIPTION AND OPERATION SECTION 5.10 – Append: Alarms are displayed under sub menu under the ALARMS menu. A sub menu title will only appear if an alarm contained in that sub menu

is active. At this level, the ▲/▼ (up/down) keys will scroll to the previous/next sub menu title containing active alarms. The Ext (exit) key will elevate the Control Panel from a particular sub menu back to the ALARMS menu

While displaying a sub menu title, the Ent (enter) key will place the Control Panel into the appropriate sub menu level and the first active alarm at this level will be displayed. Once at the alarm sub menu level, the ▲/▼ (up/down) keys will scroll to the previous/next active alarm. Any displayed alarm can be cleared by depressing the Ent (enter) key, resulting in the flashing of the display, followed by the Tog (toggle) key to change to a cleared state and finally the Ent (enter) key to accept the change. The Ext (exit) key will elevate the Control Panel from a particular sub menu back to the ALARMS menu. Note that the Communications Alarms sub menu has 3 further sub menus under it.

11. INSTALLATION SECTION 6 – Change: Referencing Figures 5 and 6, antenna connection #3 of the Low Power Junction Box and antenna connection #2 of the High Power Junction Box should read as “RX” and is the 50 Ohm input to either a Link Receiver or an Internal Monitor Receiver.

Antenna connection #1 of the Low Power Junction Box and antenna connection #3 of the High Power Junction Box should read as “Options”. The C17 Antenna Relay Option utilizes the “Options” connector to bring out the receive (normally closed while transmitter NOT keyed) side of the antenna relay.

12. INSTALLATION SECTION 8 – Change: References in Figure 7 from EXT IN (0-7) and EXT OUT (0-7) to Wild Card In (1-8) and Wild Card Out (1-8).
13. CONFIGURATION SECTION 2 – Append: Note, any parameter change that affects the station’s basic mode of operation should be followed by a Station Reset to insure change is fully accepted. These parameters include:

TX\Tx DPL/PL Setup\...
TX\Flat/Pre-Emphasis
TX\G.T. Notch Enable/Disable
TX\Special Tx Setup\...
RX\AGC Enable/Disable
STN\Base Stn/Link Tx
STN\DRC Setup\DRC/TRC
STN\PURC/PURC 5000
OPT 1\Special Key Setup\...

14. CONFIGURATION SECTION 2.4.7 – Append: Note that due to hardware constraints, Wild Card Input 8 is not available if an RS232 communications modem utilizing Data Carrier Detect (DCD) is present. The DCD line is tied to the Wild Card Input 8 line for special applications and a DCD signal may false the Wild Card input. If no physical connection is made to the DCD line, then Wild Card Input 8 is available.
15. CONFIGURATION SECTION 2.4.12 – Add:

Remote Frequency Adjust Feature

TX\Remote Frequency Adjust (steps)

The Remote Frequency Adjust function is “disabled” by setting the Remote Frequency Adjust Value to + 50 (its default value) and making sure the reference oscillator is mechanically adjusted for 5 MHz (factory preset). If the Remote Frequency Adjust function is required, set the Remote Frequency Adjust Value to 0 and mechanically warp the reference oscillator (via tuning screw accessible on front of Paging Synthesizer Tray) for desired carrier frequency. A subsequent ± 1 step change to the Remote Frequency Adjust Value will electronically move the carrier frequency ± 1.5 ppb (UHISO stability reference oscillator).

16. CONFIGURATION SECTION 2.4.13 – Add:

387 Hz Verification Tone Feature

OPT1\Misc Options\Verification Tone/Enable

ALSET\Alarm\Verification Relay\Opt Alarm\....
ALSET\Alarm\Verification Relay\Stn Alarm\....
ALSET\Alarm\Verification Relay\Misc Alarm\....

A 387 Hz tone may be generated down Line 2 upon a Verification Condition. This condition exists if the station is keyed (via a non-Service PTT) and none of the user selected alarms under ALSET are present. The Alarm/Verification Relay operation is not altered with the use of the Verification Tone, but note that the “SELECTED” alarms under ALSET apply to activation of both the Verification Tone as well as the Relay .

17. STATION ALIGNMENT SECTION 3.5.1 – Change: In Step 4, R203 should be set for a reading of 0.40V ± 0.05V.

18. STATION ALIGNMENT SECTION 3.5.2 –Append: This step may take as long as 2 minutes to complete under extreme circumstances. Where possible, Test Tone level should be equal in amplitude to the MDC modem tones in a DRC system. This will provide the greatest sensitivity w.r.t. DRC Command decoding.

19. SERVICE/ALIGNMENT CHECKLIST – Change: Note the following changes to defaults.

Remote Frequency Adjust (steps) – + 50
RS232 Dial In – Enabled
Auto Baud Rate Detect – Disabled