

ComfortPro System Improvements

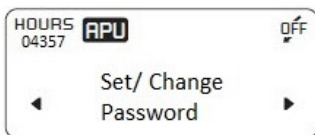
*This is an addendum to the ComfortPro Operators Manual.
Please keep with existing operators manual.*

This applies to APUs with serial numbers ETD22220943 and higher

SUMMARY:

- Comfort Monitor Mode:
 - Cabin temperature set point range is now configurable (vs fixed at one value)
 - Fan speed is now configurable to allow both low and high speed
- Diagnostics: Fault codes now stored, including date and runtime stamps
- Heater Disable: A heater disable feature added

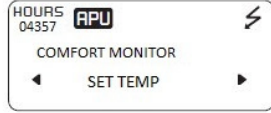
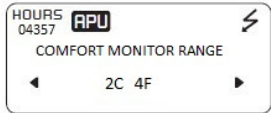
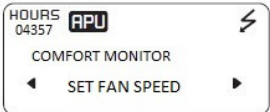
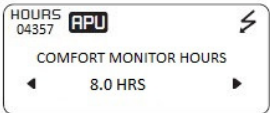
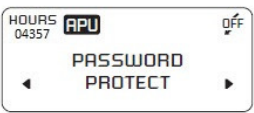
Set a Password & Password Protect Appropriate Items:

1. On main menu, choose "SET/CHANGE PASSWORD" 	2. Use the arrow keys to increment each # & menu button to accept. Any 3 numbers may be used except 000 	3. On main menu, choose "PASSWORD PROTECT" 
4. Enter password 	5. Choose "YES" for all desired items using the arrow key; use the "menu" button to toggle through the items. 	

Configure Comfort Monitor and Password Protect:

For those that want to take advantage of the Comfort Monitor strategy (cycles the APU engine off for 3 minutes minimum when set temperature is met to save fuel), the following instructions are provided:

NOTE; STEPS 4, 6, 8 & 10 BELOW ARE SUGGESTED SETTINGS. OTHER SETTINGS ARE POSSIBLE.

1. Go to "COMFORT MONITOR"  If a password is not required, go back and password protect the Comfort Monitor. Not all options will be available if there is no password.	2. Turn "ON" Comfort Monitor. 	3. Go to "SET TEMP" sub menu 
4. Set cabin temperature to "21C 70F" as shown below 	5. Go to "SET RANGE" sub menu 	6. Using arrows, choose "2C 4F" as shown below (4 ° F) 
7. Go to "SET FAN SPEED" sub menu 	8. Choose "SPEED LOW-HIGH" or "SPEED HIGH" (only high speed). 	9. Go to "SET DURATION" sub menu 
10. Set "COMFORT MONITOR HOURS" to "10.0 HRS". 	11. In main menu, find the new "PASSWORD PROTECT" menu 	12. Enter password 
13. Go to the "COMFORT MONITOR" option & choose yes 		

Comfort Monitor is now configured & the following steps are what the operator will be allowed to use once the APU is turned on:

14. Operator will now have a new "SET TEMP" main menu item



15. Operator will use this to adjust the temperature above or below the set point as per the range that was set in step 6



16. Operator uses the "FAN" button to control fan speed (if "SPEED LOW-HIGH" was chosen in step 8, otherwise, always high speed).



NOTE: These options only show in the menu if a password is set and the Comfort Monitor is password protected.

Heater Disable Feature:

A heater disable feature has been added for fleets that desire to disable the electric heat. Note that the only case where this disabling is over-road is in "TEMP START" mode where the system will command on the heater in order to load up the APU (in order to then heat up the truck engine via APU generated heat more easily).

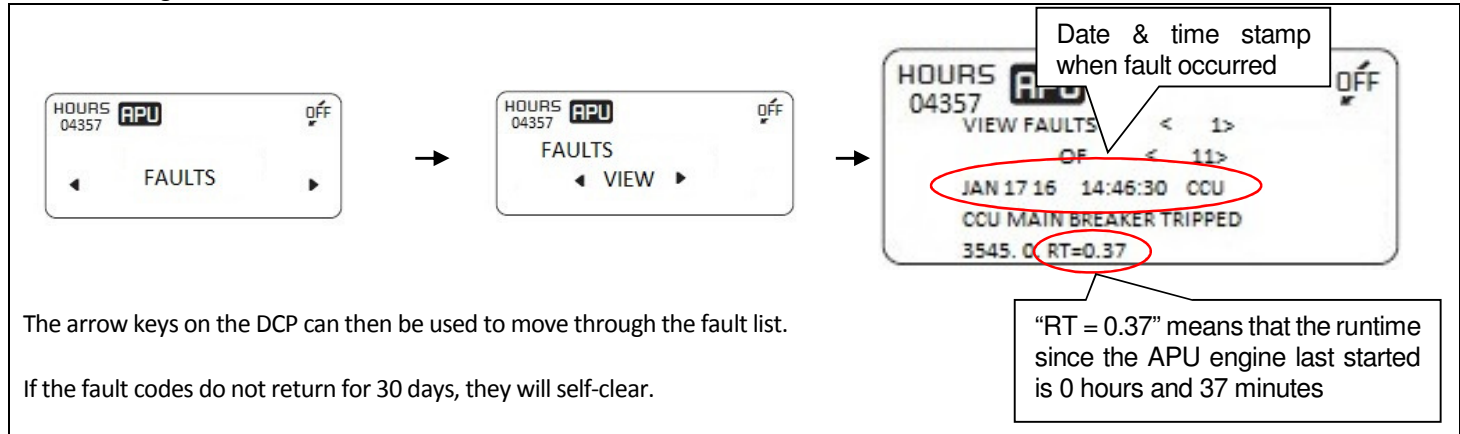
To disable the heater, go to the main menu and:



Diagnostic Improvements:

Fault codes will now be time stamped, including runtime info and stored. There are up to 20 fault codes depending on the APU model.

To view faults, go to the main menu and:



To clear fault codes, go to the main menu and:

