



NTI Boilers Inc.
Tel: (506) 657-6000
Toll Free: 1-800-688-2575
Web: www.ntiboilers.com
Email: info@ntiboilers.com

64980468

HMI, TOUCHSCREEN 7 in

Software version R16

Applicable Boiler Models

- TFTN085-850

Kit Contents

- HMI, Touchscreen 7 in. with gasket (applied)
- Replacement instructions (this document)



NOTICE

Backup PCB Settings – within 30 minutes of replacing the HMI (display) the main PCB settings will automatically backup to the new HMI causing a system reboot – this is normal. To avoid the system reboot, it is recommended to save the PCB settings to the display memory manually – see instructions below.

NOTICE

Connected Boilers – the WiFi gateway is integrated inside the HMI, therefore, if it is replaced then the Gateway replacement procedure must be completed from the “NTI net” web app – see instructions below.

Replacement Instructions

- 1) Remove the boiler front cover and turn the power off at the service switch at the bottom of the control panel.
- 2) Remove the four (4) screws securing the HMI to the control panel cover and move the HMI a few inches forward to access and remove the wire connections from the back of the HMI. There are two electrical connections, (1) a blue power/communication cable, and (2) a ribbon cable for the WiFi gateway
NOTE: the ribbon cable for the WiFi gateway must be remain disconnected from Follower Boilers in a cascade system. Only the Manager Boiler can have the WiFi gateway connected.
- 3) Install the new HMI then turn the power on.

4) Backup the PCB settings to the display memory – see Figure 4.1.

NOTE: if this step is missed, the PCB settings will automatically backup to the display after 30 minutes of restoring power to the boiler after replacing the HMI, which results in the PCB/HMI rebooting. If this happens, do not be alarmed.

NOTE: if replacing the main PCB at the same time, complete this step after manually updating all PCB settings in accordance with the applicable boiler model (see PCB replacement instructions) and in accordance with the given application (recommend using the Setup Wizard feature).

Figure 4.1 – Backup PCB Settings (Save PCB settings to display memory)

A: select Setup from the Homepage

B: select Tech Menu from the Setup menu

C: when prompted, input password “ntinet” then press Enter

D: select Restore/Backup from the Tech Menu

E: select Backup PCB Settings from the Restore/Backup menu

F: select Save PCB Settings to Display Memory then wait while the restore is completed.

- 5) Connect to WiFi (optional) – see section 17.0 – WIFI CONNECTION in the TFTN IOM.

NOTE: if the boiler was already connected and associated to an account, it will be necessary to complete the “Gateway replacement” from the “NTI net” web app – see next step.
- 6) Gateway replacement (only applicable if the product is registered with “NTI net”):
 - i. Open the “NTI net” web app and select the respective boiler from the Installed list (NOTE: the connectivity serial number will be the old one).
 - ii. Select the MANAGE GATEWAY menu option then press “START PROCEDURE” next to “Gateway replacement”
 - iii. Input the new Connectivity serial number then press “SUBMIT”. NOTE: the connectivity serial number of the new HMI is accessed from the Connectivity menu – see Figure 6.1.

Figure 6.1 – Accessing the Connectivity Serial Number

A: select Setup from the Homepage

B: select Tech Menu from the Setup menu

Connectivity Serial Number

Press to commence the process of connecting the boiler to a local WiFi network using the “NTI net” mobile App.