PF2200 UI CARD
REPLACEMENT GUIDE

WARNING
- Explosion Hazard. Do not disconnect while the circuit is live or unless the area is free of ignitible concentrations.
- Explosion Hazard. Do not remove or replace fuses unless power has been disconnected or the area is free of ignitible concentrations.
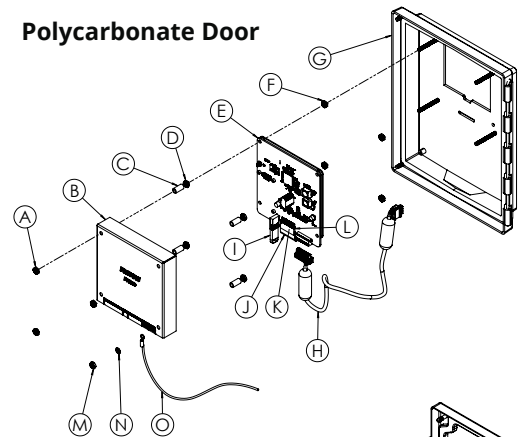
AVERTISSEMENT
- Risque d'Explosion. Ne pas débrancher pendant que le circuit est sous tension ou à moins que l'emplacement ne soit exempt de concentrations inflammables.
- Risque d'Explosion. Ne pas retirer ni remplacer les fusibles ni à moins que l'alimentation n'ait été coupée ou que l'emplacement ne soit exempt de concentrations inflammables.
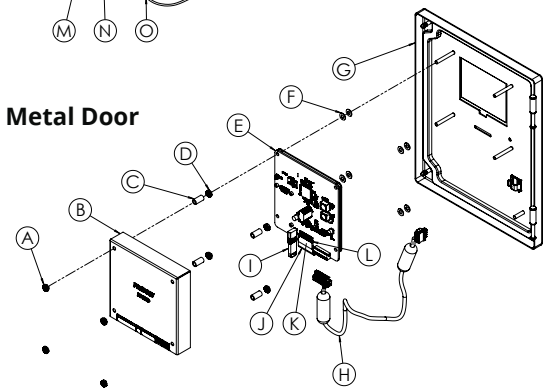
OVERVIEW

This document contains step-by-step instructions to replace the Profire PF2200 UI Card.

	COMPONENTS		INCLUDED WITH REPLACEMENT CARD
	METAL DOOR	**POLYCARBONATE DOOR**	
A	4 x Serrated Locknuts	3 x Serrated Locknuts	—
B	1 x UI Cover	1 x UI Cover	—
C	4 x White Nylon Spacers	4 x White Nylon Spacers	—
D	4 x Serrated Locknuts	4 x Serrated Locknuts	—
E	1 x UI Card	1 x UI Card	✔
F	8 x Flat Washer	4 x Serrated Locknuts	—
G	1 x Enclosure Door	1 x Enclosure Door	—
H	1 x PFN Cable	1 x PFN Cable	—
I	1 x USB Flash Drive	1 x USB Flash Drive	✔
J	1 x Keypad Ribbon Cable	1 x Keypad Ribbon Cable	—
K	1 x Keypad Cable Sticker	1 x Keypad Cable Sticker	✔
L	1 x Keypad Cable Spacer	1 x Keypad Cable Spacer	—
M	—	1 x Hex-Nut for ground wire	—
N	—	1 x Internal-Tooth Lock Washer	—
O	—	1 x Ground Wire	—

Polycarbonate Door

Metal Door

BEFORE YOU GO TO SITE

✔ Check that all components listed in the table are present in the box and that you have any others that you may need to complete the repair.

✔ Ensure that the included USB stick is loaded with the desired firmware version, in the event that a firmware update is required after installing the new UI Card.
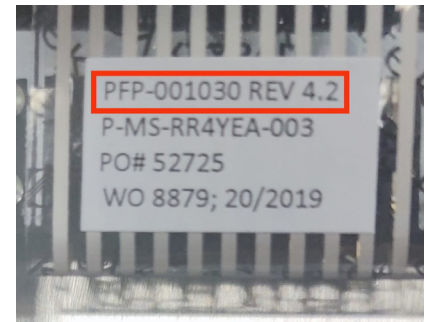
REMOVING THE OLD UI CARD

1. If possible, make a backup of the settings by first using the *Carousel* Key ▣ to navigate to *System* screen, then selecting the *Backup* menu item beneath the *Settings* heading.

2. Remove the UI Cover (B) while saving all mounting hardware in a safe location.

   - **For Metal Door:** Remove the 4 Serrated Locknuts (A).
   - **For Polycarbonate Door:** Remove the 3 Serrated Locknuts (A) and 1 Nut (M), along with the Lock Washer (N) and Ground Wire (O).
   - After removing the UI Cover (B), also remove the 4 Nylon Spacers (C).

3. Disconnect the Profire Network (PFN) Cable (H) from the UI Card.

4. Remove the Keypad Cable Sticker (K) from the Keypad Ribbon Cable (J) and gently disconnect the Keypad Ribbon Cable from the UI Card. Save the Keypad Cable Spacer (L) from the ribbon cable assembly.

5. Remove the USB Flash Drive from the USB port - if applicable.

6. Remove the 4 Nuts (D) holding the UI Card to the Enclosure Door (G) and lift the UI Card from the Enclosure Door.

   - **DO NOT** remove the 8 Flat Washers (F), for Metal door, or the 4 Serrated Locknuts (F), for Polycarbonate door.

7. If returning the old UI Card to Profire for a warranty claim, please first place the UI Card in the ESD bag before placing it in the remainder of the packaging to prevent damage during shipping. Please obtain an RMA number and mark it on the packaging before returning any part to Profire.

> **CAUTION**
> - The display on the UI Card is easily damaged. Care must be taken to avoid contact with hard surfaces.
> - The UI Card is an electrostatic sensitive device. Protect the card from any Electrostatic Discharge (ESD).

INSTALLING THE REPLACEMENT UI CARD

1. Remove the protective film from the display on the replacement UI Card (E).

2. Gently install the replacement UI Card (E) with the correct orientation onto the mounting studs and tighten the 4 Nuts (D) to **10in·lbs.**

   - **DO NOT** force the UI Card (E) onto the mounting studs.

3. Reconnect the PFN Cable (H).

4. If the Keypad version is PFP-001030 v4.2 or lower or PFP-001029 v1.0, slide the Keypad Cable Spacer (L) over the flex cable pins on the UI Card (E) and connect the Keypad Ribbon Cable (J). Apply the Keypad Cable Sticker (K) over the connection to prevent loosening of the cable.

5. Install UI Cover (B) by first installing the White Nylon Spacers (C) onto the mounting studs before mounting the UI Cover (B) on top. Lastly:

   - **For Metal Door:** Install the 4 Serrated Locknuts (A) and tighten to 10in·lbs.
   - **For Polycarbonate Door:** Install the Ground Wire (O), The Lock Washer (N), and the Nut (M) onto the bottom-right stud and tighten to 10in·lbs. Install the 3 Serrated Locknuts (A) onto the remaining studs and tighten to 10in·lbs.

6. Ensure the firmware is up to date. Updated firmware is available through Profire at ***firmware. profireenergy.com***. Refer to the **PF2200 Firmware Update Guide** *(scan QR code)* for instructions on updating the firmware.

   - If there is no internet access to download the latest firmware, the USB stick installed in the UI Card might have the original firmware version that shipped with the system.

7. Restore settings if a backup is available by first using the *Carousel* key ▣ to navigate to the *System* screen, then selecting the *Restore* menu item beneath the *Settings* heading. Alternatively, one may opt to re-commission the PF2200.

8. Always perform the site-specific commissioning procedure after changing a card or updating firmware to ensure that the system is operating correctly.

Scan for PF2200 GUIDE