PU-28 Control Panel - Air Heater Operating Instructions

1. Powering Up

- When first powered, set the time by long-tapping the clock (bottom left).

- Use '+' and '-' to adjust hours and minutes.

2. Main Screen Overview

- Centre: Current air temperature.

- Bottom Left: Current time or heater run time.

- Bottom Right: Tap to cycle between:

- - Air temperature

- - Power supply voltage

3. Starting the Heater

- Tap the centre of the screen or press the physical button.

- Heater will start and display runtime countdown.

4. Setting Temperature

- Tap '+' / '-' or drag the dial to change target air temperature.

- Set-point will show in the centre.

5. Stopping the Heater

- Tap the centre of the screen again or press the button.

- Heater runs a purge cycle before stopping.

- Do not disconnect power during this cycle.

6. Ventilation Mode (Fan Only)

- With heater off, long tap the centre of the screen.

- This activates the fan without heating.

7. Operating Modes

- To access: tap the gear icon > Mode settings.

- Choose one of three:

- - Panel Sensor: Uses the control panels built-in temperature sensor.

- - External Sensor: Uses an installed external air temp sensor.

- - Power Mode: Runs at fixed power level (ignores temperature).

8. Timer Operation

- Tap the clock icon to set up to 3 timers.
- Timers can auto-start the heater at set times.
- You can set:
- - Time
- - Days of the week
- - Duration

9. Runtime Limits

- Tap the gear icon > Operation time.
- Set limit in minutes, hours, or days.
- Or select 'Unlimited' for continuous use.

10. Display Settings

- Tap the gear icon > Display.
- Adjust brightness.
- Enable sleep mode while heating.
- Show clock in standby.

11. System Settings

- Tap the gear icon > System.
- Choose C or F
- Choose 12h or 24h format
- Enable/disable 'Ventilation on Standby' (fan runs with no heat)

12. Fault Codes

- If an error occurs, a code will appear on screen. Tap the centre to clear.
-
- Common Air Heater Codes:
- Code | Meaning | Action
- 1 | Overheat | Check airflow, intake, exhaust
- 5 | Flame sensor fault | Service required
- 9 | Glow plug failure | Replace glow plug

- 13 | Failed to ignite (x2) | Check fuel, air intake, glow plug
- 15 | Undervoltage | Check battery, wiring
- 33 | Heater locked (repeat fault) | Contact service to unlock