

Description

The GAB-8H-01 (TFT8/H) is a color graphic touch-screen control panel designed for multi-zone underfloor heating systems.

When connected to the PS8/FH/01 8-zone controller, the system enables control and monitoring of up to 8 independent underfloor heating zones.

The panel features an intuitive user interface with clear temperature display, zone status indication and programmable weekly scheduling per zone.

The system includes a built-in Real Time Clock (RTC) and allows separate time programs for weekdays, Friday and Saturday.

The GAB-8H-01 is designed for flush-mount installation and operates on 12VDC supplied by the controller.



Features & Benefits

- Large, clear color touch screen
- Control of up to 8 floor heating zones
- Independent ON/OFF control per zone
- Weekly ON/OFF scheduling per zone
- Separate schedules for:
 - Sunday–Thursday, Friday and Saturday
- Built-in Real Time Clock (RTC)
- Display of measured room temperature per zone
- Adjustable setpoint temperature per zone
- Adjustable temperature differential (1–5°C)
- Floor temperature high-limit protection (via controller DIP switches: 27–30°C)
- Floor sensor temperature display per zone
- Floor and room sensor calibration ($\pm 6^{\circ}\text{C}$)
- Adjustable delay between zone activations (1–10 sec.)
- Heating status indication per zone
- Floor over-temperature alarm indication
- Technician output override mode (for service testing)
- Zone visibility selection (show/hide unused zones)
- Zone background color selection
- Main screen background color selection
- Beeper enable/disable
- Adjustable screen dimming:
 - Enable / Disable
 - Dimming delay (0–99 minutes)
 - Dimming level (10–90%)
 - Normal brightness (50–100%)
- Factory reset option
- Flush-mount installation (standard 3-module box)
- Black finish

Technical Specifications

Electrical

- Operating Voltage 12VDC
- Power Source PS8/FH/01 controller
- Communication RS485 (A/B terminals)

Temperature Control

- Differential Adjustment 1°C – 5°C (Default: 1°C)
- Floor Temperature Limit 27°C / 28°C / 29°C / 30°C
- Floor Sensor Calibration ±6°C
- Room Sensor Calibration ±6°C

Time & Programming

- Clock Built-in RTC
- Time Format 12h / 24h selectable
- Weekly Program Per zone
- Program Structure Weekdays / Fri. / Sat.

Display & Interface

- Display Type Color Touch Screen
- Screen Dimming Delay 0–99 minutes (Default: 4)
- Dimming Level 10–90% (Default: 10%)
- Normal Brightness 50–100% (Default: 100%)
- Beeper Enable / Disable
- Zone Background Optional

Environmental

- Operating Temperature 0°C to 50°C
- Storage Temperature -10°C to 60°C
- Oper. / Storage Humidity Up to 80% RH

Mechanical

- Mounting Flush-mount 3-module wall box
- Housing Material PC/ABS
- Flammability Rating UL94V-0
- Color Black

Wiring

Connection between TFT8/H and PS8/FH/01 controller:

TFT8/H	PS8/FH/01
+12V	+12V
0	0
A	A
B	B

Dimensions



