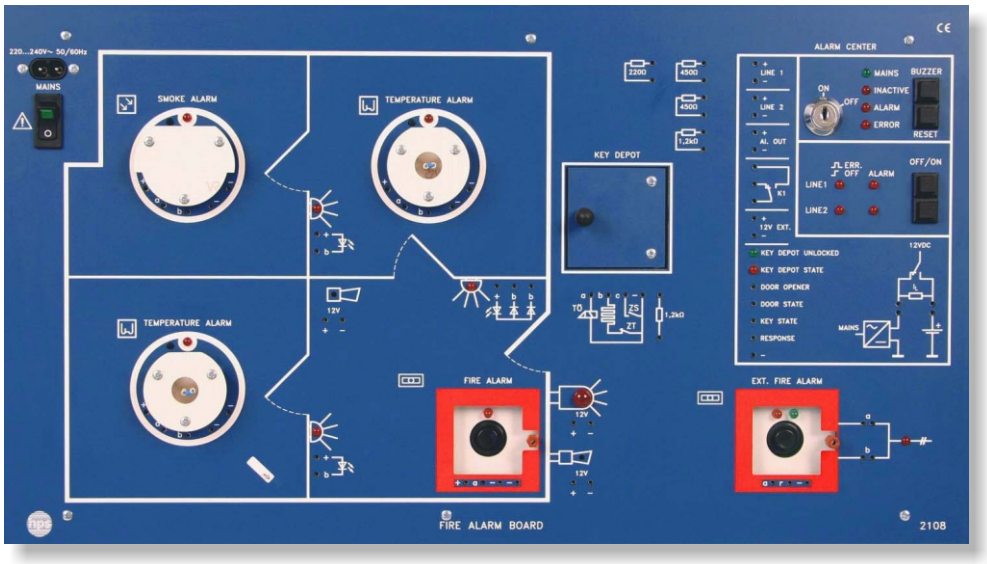
## Installation Technology / Monitoring Systems




# FIRE ALARM BOARD

## Type 2108

**Front view of the FIRE ALARM BOARD**

- **Complete fire alarm system on a single Board**
- **All single components freely wirable, for step-by-step introduction right up to complete commissioning of the whole system**
- **With integrated fire alarm centre**
- **With integrated signalling devices such as acoustic alarm generator, flashing light and alarm relaying by main alarm**
- **Integrated key depot**

## Built-in components

2 thermo-differential alarms (infrared)

Smoke alarm

Manual alarm

Main alarm with connection to the fire station

Key depot

Inside and outside horn

Optical alarm indicators (LEDs

4 terminating resistors

Fire alarm centre:

- Key-operated switch for locking relaying of fire alarms to the main alarm
- Inputs: LINE 1 / LINE 2 / DOOR STATE / KEY STATE / RESPONSE
- Outputs: ALARM OUT / Relay K1 / 12 V EXTERNAL / DOOR OPENER
- Indicators (LEDs): Operation ON, operation OFF / ALARM / ERROR / ERROR OFF, ALARM for LINE 1 and LINE 2 / KEY DEPOT UNLOCKED / KEY DEPOT STATE
- Button: BUZZER OFF / RESET / OFF, ON for LINE 1 and LINE 2
- Simulation: power failure and missing battery

05 / 14 V02 Technical changes without prior notice!



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# FIRE ALARM BOARD

## Type 2108

## Accessories Recommended

- Connecting leads (2 mm) and plugs (2 mm)
- English experiment manual, order no. V 0113
- Multimeter

## Technical Data

**Mains connection**

- Mains voltage: 230 V AC / 115 V AC (110 V AC)
  50 ... 60 Hz; approx. 10 VA

**Thermo-differential alarm (infrared)**

- Operating voltage: 12 V DC

**Optical smoke alarm**

- Operating voltage: 12 V

**Hand alarm**

- The glass pane is simulated by a sliding plexiglass door.
- The alarm is indicated by a red LED.
- The alarm is triggered by a pushbutton.
- Operating voltage: 12 V

**Main alarm**

- The alarm is indicated by a red LED.
- Main alarm at rest, green LED alight
- The alarm is triggered by a pushbutton.
- Alarm to fire station additionally indicated by a red LED
- Operating voltage: 12 V

**Alarm centre:**

- Voltage output: 12 V DC / 0.2 A

All inputs and outputs are wired by 2 mm jacks.

**Mechanical data**

- The front panel of the FIRE ALARM BOARD is made of 5 mm thick laminate, matt blue in colour with white engraving representing the built-in function groups.
  The rear of the Board is protected with a grey plastic cover. Its shape allows the Board to be placed at an ergonomically favourable angle for example on a table.
  The FIRE ALARM BOARD can be converted into a portable training unit by simply screwing it into a Box: All the experiments can be conducted directly in the Box. Dust-free storage and protection against transport damages are further advantages of the Box version.

**Dimensions and weights**

- FIRE ALARM BOARD (Type 2108):
  532 x 297 x 120 mm (w x h x d); weight: 3.0 kg
- Box version, consisting of:
  FIRE ALARM BOARD (Type 2108) and Box (Type 2107.20):
  580 x 450 x 155 mm; total weight: 6.2 kg

Subject to technical modifications.