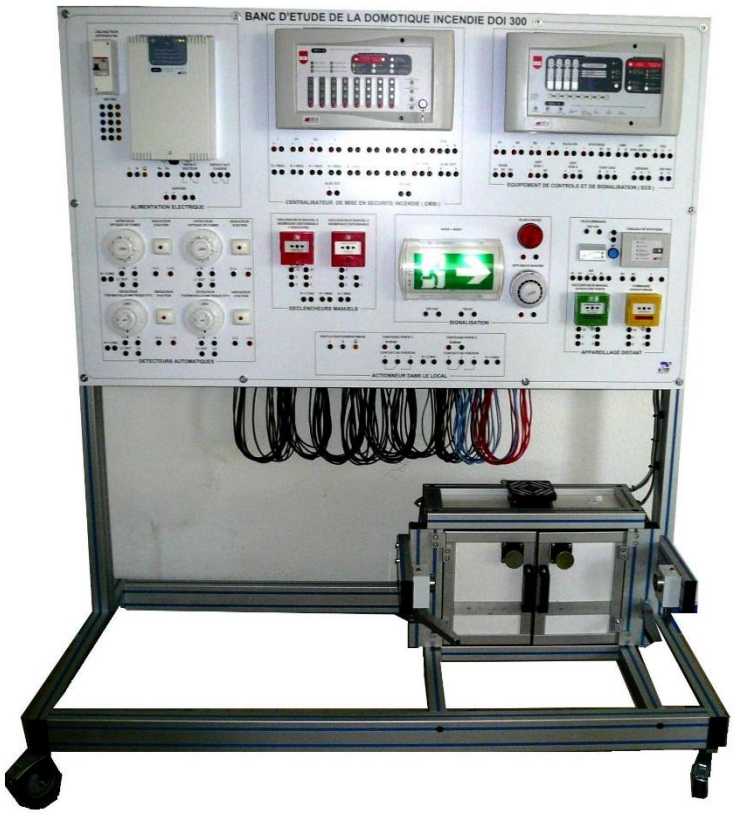
DOI300

COMPLETE FIRE ALARM TEST RIG



TRAINING APPLICATIONS

- **Study of fire safety equipment**
- **Awareness of system equipment**
- **Wiring of installation elements**
- **Simulation of building security**
- **Configuring the control panel functions for different applications.**

DIDATEC – Zone d'activité du parc – 42490 FRAISSES – FRANCE
Tel. +33(0)4.77.10.10.10 – Fax +33(0)4.77.61.56.49 – www.didatec-technologie.com
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OPERATING PRINCIPLE

The DOI300 rig enables the study of a complete fire alarm system. Students first wire the system in accordance with standard good practice. They then commission it, taking account of the devices connected to the control panel, and carry out operating tests.

The robust design of this equipment makes it particularly suitable for use in educational environments.
Its anodised aluminium frame on castors provides excellent strength and great flexibility for installation on your premises.
This equipment is manufactured in accordance with the European Machinery Directive.

Illustrations	Technical specifications
	**Power supply management of modules:** -a 16A 30mA circuit breaker with 5 sets of terminals for electrical supply of modules - A 24 Vdc, 5 W AES safety power supply with integrated battery, LED indication and two changeover reporting contacts to the CMSI.
Conventional external fire safety controller (CMSI): -CMSI conventional type 1 - 230VAC power supply - integrated 12VCC7Ah battery - 8 control lines for safety-actuated devices (DAS). - 1 line for alarm sounders (DS). - LED indication of line status. - Keypad for line programming, testing and resetting.	
	**Conventional type control and signalling equipment (ECS):** - Conventional ECS type 1 - 230VAC power supply -Integrated battery -4 detection loops - 1 loop for self-contained audible alarm units (BAAS). - 2 alarm sounder loops. - Connection to the repeater panel. - 3 reporting outputs (fire, general fault and auxiliary). - LED indication of line status. - Keypad for line programming, testing and resetting.

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Conventional automatic detectors (DA), two types:
- Rate-of-rise heat detectors (x2).
  - power supply 24vdc
  -Operating temperature: 57°C
  - Each detector is connected to a remote indicator (wiring to be completed).
- Optical smoke detectors (x2).
  - power supply 24vdc
  - Detector test aerosol supplied.
  - Each detector is connected to a remote indicator (wiring to be completed).





Conventional manual call points (DM), two types:

- 1 red call point with resettable flexible element.
- 1 red call point with resettable flexible element and status indicator.
- Reset key supplied.

Signalling:

- 1 flashing red beacon.
- 1 alarm sounder (compliant with NF S32-001; 93 dB at 90°).
- 1 red call point with resettable flexible element and status indicator.
- 1 combined self-contained emergency lighting unit (BAES, for workplaces and buildings open to the public) +
self-contained residential emergency lighting unit (BAEH).







Actuators on premises:

-1 simulation fan for smoke removal (230VAC power supply)
- 2 fail-safe 24 V electromagnetic door holders with push buttons (fire-door simulation) and position monitoring contacts.
- Two doors with door closers.

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Illustrations are for reference only. Version: FT-DOI300-STD-GB

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Remote equipment:

- 1 remote control for BAES functions (test, standby, etc.).
- 1 push button with normally closed contact.
- A repeater panel for connection to the fire detection control and indicating equipment (ECS).
- 1 green manual call point to override door opening (security airlock simulation).
- 1 yellow manual call point to override smoke extraction (firefighter control).



Installation requirements

- Electrical supply: 230 Vac – 50 Hz – 10 A
- Type of power supply: 1 phase(s) + Neutral + Earth.
- Dimensions (L × W × H, mm): 1700 x 800 x 1850
- Weight (kg): 120

Note: If the equipment is installed by our team, all utility connections must be located within 2 m of the machine.

Documentation

- Instruction manual
- Technical documentation
- Practical exercises
- Electrical diagram
- CE certificate of conformity

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