

Fire door control system

The GES series is a series of wiring, programming, and study panels.

- 1 educational, reinforced electrical cabinet and modular equipment. 220V AC power supply. Protected by circuit breakers, including one 30mA.
- Base on wheels, dimensions: 750 x 670mm Height: 950mm
- White melamine panel. Dimensions: 1000 x 750mm.
- The unit is supplied fully wired, in working order, with a wiring diagram, operating principle and detailed instructions for each component.

These panels are supplied with PLC and a monitoring software.

FEATURES OF THE MONITORING SOFTWARE

- 9 24VDC inputs / 7 binary outputs
- Software supplied with ladder language programme
- Programming: sequential function chart or ladder language
- Fully functioning program: Supplied
- Ethernet connection to the IP computer network

EDUCATIONAL OBJECTIVES

- Understanding and settings of a fire door control system.
- Programming and setting of the Schneider® PLC (for the COM version)
- Understanding and use of the supervision on PC (for the COM version)
- Understanding of an IP network (for the COM version)

USER'S MANUAL + PRACTICAL WORKS

GES-6 is a wiring and study panel for an independent initiating detector. The independent initiating detector detects a fire using 2 optical smoke detectors and 2 manual triggers. If a warning occurs, a magnetic bolt allows an emergency exit door to open. The student is required to interconnect the optical smoke detectors, the manual triggers, the independent initiating detector and the electric bolt. All of the marked connections are wired to a terminal block.

TECHNICAL FEATURES AND EQUIPMENT

- 2 resettable manual triggers with diaphragms
- 2 optical smoke detectors They can be activated using an aerosol that is supplied with the panel
- 1 independent initiating detector fitted with a maintenance-free battery (3 hours autonomy)
 - with reset push-button
 - with operating test push-button
- 1 door with electric bolt

THE MONITORING SOFTWARE

Allows you to:

- acquire and display PLC variables
- Monitor and control of process
- create your own monitoring

Displays:

- opening of the emergency exit
- power supply to the electric bolt
- mains power on

controls:

- opening the electric door latch
- powering the siren
- Resetting the independent initiating detector



ref. GES-6-COM

