

CONTROL PANEL FOR FIRE ALARM, TYPE 4

Models	WIRED		RADIO
	TAG-15	TAG-15-COM	TAG-15-R
Educational objectives			
Understand and configure type 4 fire alarm management.	✓	✓	✓
Understand how an optical smoke detector works.	✓	✓	✓
Understand how a manual call point works.	✓	✓	✓
Communicate with stand-alone smoke detectors	✓	✓	✓
Wiring the components of a type 4 fire alarm	✓	✓	
Pair the various fire alarm components via radio			✓
Set up a fire alarm panel.	✓	✓	✓
Understand parameterization and programming by PLC		✓	
Become familiar with PC and HMI supervision		✓	
Configure a Wifi network and control the components from a tablet		✓	
Understanding an IP Ethernet Network		✓	
Practical works			
Realization of the wiring diagram of a fire alarm installation	✓	✓	✓
Realization of the complete wiring	✓	✓	✓
Study of the operation of the optical smoke detector and the manual call point	✓	✓	✓
Coinfigure the fire panel	✓	✓	✓
Perform local maintenance	✓	✓	✓
Perform remote maintenance of DAFs via Audiolink	✓	✓	✓
Create an M221 PLC program		✓	
Create a supervision program with the Vijeo Designer software		✓	
Configuring an Ethernet Computer Network		✓	
Carry out the Wifi configuration for ordering on a tablet or smartphone.		✓	
Perform remote maintenance via smartphone or tablet.		✓	
Supplied accessories			
1 colorless, non-flammable aerosol for testing smoke detectors.	✓	✓	✓
1 x 3 meter straight Ethernet RJ45 cable		✓	
1 Vijeo designer software for supervision via an HMI, PC or smartphone		✓	
1 Wi-Fi switch		✓	



DELIVERED WIRED AND SET	TEACHING RESSOURCES STUDENTS / TEACHER	AUTONOMOUS WIFI NETWORK Ref. TAG-15-COM
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Front composition

- 1 metal electrical cabinet dimensions 500 x 400 x 200mm containing:
 - 1 differential protection 30mA
 - 1 2P curve C circuit breaker (2 in -COM version)
 - 1 battery charger
 - 1 battery 24Vdc - 0.8AH
 - 1 UPS-24Vdc power supply
 - 1 reset button
- Industrial terminals allowing the wiring of components without wear
- 1 Modicom M221 PLC, controller + ethernet port allowing supervision (-COM version)

Back side composition

- 1 visual alarm diffuser for the hearing impaired
- 1 class B sound diffuser
- 2 independent fire detectors (optical and sensitive to all types of domestic fires.
Equipped with a test button and Audiolink technology which allows via the free application to download a complete diagnosis of the state of the detector on tablet or smartphone.
- 1 type 4 fire alarm panel. Voltage presence, fire alarm, battery fault, test mode LEDs.
- 1 screen-printed side for component identification.

Chassis Features

- Chassis in matte anodized aluminum profile on wheels. With handles.
- Overall dimensions: L x W x H: 750 x 730 x 1840mm.
- Gray melamine shelf: 750 x 400mm - thickness 19mm.
- Power supply via 3 meter 2P + E mains cord.

The supervision software delivered with the TAG-15-COM version

- Allows:**
- acquisition and display of PLC variables
 - remote process supervision and maintenance
 - the creation of your own supervision
- Displays:**
- the status of the fire panel
 - the condition of the emergency doors
 - mains presence
- Command:**
- DM loops
 - the 2 emergency doors

