INTRODUCTORY CASE FOR MYHOME TECHNOLOGY

Learn about MyHome building automation technology quickly and easily with this simple, intuitive case.

This instructional solution enables acquisition and validation of the skill for the diploma in Electricity & Connected Environments, in a simple home automation environment.

Ideal for introducing your students quickly and clearly!

ref. VALDOM-MH

SUPPLIED FULLY WIRED AND CONFIGURED | AUTONOMOUS WIFI NETWORK | TEACHING RESOURCES STUDENT / TEACHER | SIMULATED ELECTRICAL COMPONENTS

Case with ergonomic handle.
Dimensions 534 x 374 x 190mm.
Supply by power cord 230V-2P + E.

Safe wiring on 4mm terminals. The safety leads and the power cord are provided. Identifying information for components and other technical features are printed on the sides.

A MyHome energy meter integrated in the system can indicate the power consumed by the spotlight and display it directly on your tablet or smartphone. A BUS gateway MyHome / IP + Wifi switch, is integrated in the case. The gateway allows the student to control the installation from a tablet or smartphone. The application is downloadable for free from '' Play Store '' or '' Apple Store ''.
The WIFI network created locally is specific to the system and isolated from the Wifi network of your building.

VALDOM-MH is delivered completely configured with a set of 4mm safety leads.

Teaching instructions on DVD
in Instructor / Students format, including:
- Technical instructions, manufacturer resources for My Home components
- Layout diagram of the components
- Electrical wiring diagram
- Learning activities that allow you to create scenarios in order to optimise the installation's operation, while preserving the occupant's comfort.
- Tutorials sheets for skills assessment.

OPTION TABLET WIFI 11'' CONFIGURED

Samsung® tablet
- Wifi 11 inch touch screen Full HD
- 1.3Ghz / 4Gb RAM
- 32GB

ref. TAB-97

EDUCATIONAL OBJECTIVES

- ***To learn about the HOME AUTOMATION environment of an electrical installation***
- ***To learn about and study the features of a MyHome home automation installation***
- ***To understand the specifications of an electrical installation***
- ***To produce electrical diagrams***
- ***To create a parts list of components***
- ***To analyse manufacturer technical data sheets***
- ***To configure the MyHome components***
- ***To put the MyHome installation into service***
- ***To configure a Wifi network for control via a tablet or smartphone.***

COMPOSITION OF THE CASE

On upper side

- 1 wall light for lighting variation
- 4 LED lights simulation of 4 simple lights
- 2 LED lights simulation of 1 rolling shutter
- 1 LED light simulation of a convector
- 1 MyHome / IP BUS gateway for WIFI communication.
- 1 configured WIFI router (system-specific local WIFI)
- 1 circuit breaker 10A Ph+N, habitat type. An LED indicates whether the 230Vac power supply is available on the safety terminals.
- 1 power socket module for power supply (protected by 10A fuse).
- 2 MyHome pushbuttons, 2 keys
- 1 MyHome pushbutton, 1 key
- 1 MyHome pushbutton, 4 keys for scenarios
- 1 room thermostat

On the lower side

- 1 BUS power supply 27V-600mA (MyHome)
- 1 MyHome Ethernet interface for WIFI communication
- 1 module allowing MyHome scenario management
- 1 MyHome energy meter module
- 1 MyHome actuator with 2 adjustable light outputs
- 1 MyHome actuator with 4 On/Off control lighting outputs (2A)
- 1 MyHome actuator with 2 On/Off control of a convector outputs
- 1 MyHome actuator with 1 rolling shutter control output

CYBERSECURITY OPTION

ROUTER - FIREWALL - VPN

ref. IP-FW

Router-Firewall can be integrated into Langlois communicating products.
It allows the application of skills in network administration and cybersecurity.
This module is very easy to integrate and configures simply and quickly.
The IP-FW option includes:

- 1 Router-Firewall ready to use with solution installed and configured.
- 1 set of ethernet cables
- 1 technical notice
- 1 set of network and cybersecurity oriented practical work:
  - Reminder on network administration and cybersecurity
  - Installation and connection of the module
  - Configuration of the box (DHCP Server, LAN Interface, VLAN, traffic rule...etc...)
  - Configuring a VPN tunnel
  - Carrying out maintenance operations.