KNX / DALI TECHNOLOGY - SMART OFFICE BUILDING

Version on chassis to place on a table
L1200xD410xH845mm weight 76Kg

Version on aluminum profile chassis with casters
L1200xD700xH1700mm weight 100Kg

Supplied with a KNX remote control

The set of switches of habitat type and KNX are integrated on the front panel.

Réf.	Version	Access for industrial terminals wiring
ITC-KNX	To place on a table	yes
ITC-KNX-P	To place on a table	no
ITC-KNX-R	On casters	yes
ITC-KNX-PR	On casters	no

DELIVERED WIRED AND SET | AUTONOMOUS WIFI NETWORK | TEACHING RESSOURCES STUDENTS / TEACHER | SIMULATED ELECTRICAL COMPONENTS

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.

EDUCATIONAL SOLUTIONS www.langlois-france.com

Discover KNX building automation technology quickly and easily with this complete model of a smart office building. This didactic solution allows the acquisition and validation of skills in a simple environment. AC connection via the 2P+T 230V/50Hz power cord provided with the model.

EDUCATIONAL OBJECTIVES
- **Discover the building automation environment of a simulated tertiary electrical installation.**
- **Discover, study the functionalities of a KNX installation**
- **Discover DALI lighting technology**
- **Understand the specifications of an electrical installation**
- **Make electrical diagrams**
- **Create a bill of components**
- **Analyze manufacturers' data sheets**
- **Configure the KNX components**
- **Carry out the wiring and connection of electrical components on industrial terminals (depending on version).**
- **Carry out the commissioning of the installation**
- **Configure the variable lighting of different technologies including DALI**
- **Set a WIFI network for control on tablet or Smartphone**

PEDAGOGICAL FILE PROVIDED
Teaching instruction in the of Teacher / Student format:
- Educational activities to create scenarios in order to optimize the operation of the installation while preserving the comfort of the occupant.
- Worksheets for skills assessment
- Technical documentation, KNX component manufacturer resources + Extracts of electrical standards + different wiring diagrams depending on the progress of the Practical Work
- Different KNX installation programs

OPTION TABLETTE TACTILE WIFI 11'' PARAMETREE

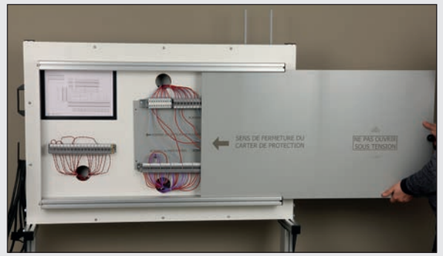
Tablette Samsung®
- Wifi 11 pouce tactile Full HD
- 1,3Ghz / 1,5Go RAM
- Stockage 32Go

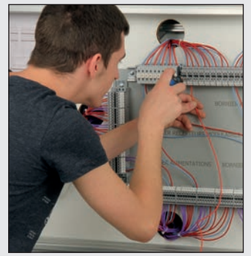
ref. TAB-97

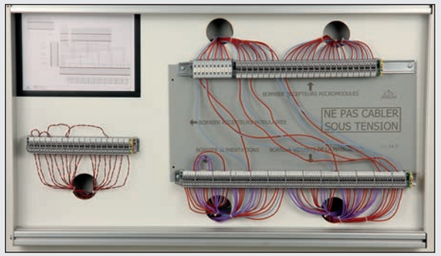
COMPOSITION
- 1 metal cabinet with lockable door
- 1 general disconnector
- 1 differential circuit breaker 30mA
- 1 set of circuit breakers protecting the different circuits
- 1 KNX bus power supply
- 1 KNX USB interface
- 1 KNX/IP gateway power supply
- 1 KNX/IP gateway
- 1 KNX infrared detector and infrared receiver with remote control.
- 1 KNX air quality sensor
- 1 KNX Light Sensor
- 4 KNX 4 buttons switches
- 1 KNX 2 buttons switch
- 1 multitouch screen pro 2.8' KNX and its temperature sensor
- 1 DALI lighting KNX actuator
- 1 Variable lighting KNX actuator
- 2 TOR KNX multifunction actuators
- 1 KNX energy measurement module
- 1 air extractor fan
- 3 spots, DALI lights
- 1 spot, variable LED lighting
- 2 modular sockets 2P+T 230V/50Hz
- 6 LED indicators for simulation of 3 roller shutters opening / closing
- 1 Light on Convector simulation
- 1 WiFi router configured (system-specific WiFi)
- 4 lighting simulation LEDs
- 1 screen-printed interface

FOR ITC-KNX AND ITC-KNX-R VERSIONS ONLY
REMOVABLE BACK PANEL FOR INDUSTRIAL TERMINALS WIRING ACCESS

- 1 removable panel with warning
- 1 terminal block for KNX BUS
- 1 terminal block for KNX 230Vac component
- 1 terminal block for 230Vac power supply
- 1 terminal block for receivers
- 1 wiring diagram







The components are wired on the rear panel using in¬dustrial terminals to prevent wear of the component terminals. A housing protects access to industrial terminals during live tests. Removable wiring diagram.

Rear panel with protective cover removed for wiring

info@langlois-france.com CE PRODUCTS 2 YEARS GUARANTEE