

STUDY SYSTEM FOR THE KNX BUS - COMPLETE SOLUTION



Réf. QUICK-KNXPLUS

Réf. QUICK-KNX without frame and console

Communicating version
ADD THE MODULE REF. COM-KNX



Autonomous integrated Wifi network



Sockets on the back of the console for connecting the modules

With "KNX PARTNER" certified manufacture, the QUICK-KNX model enables the study and putting into service of multibrand KNX products, SCHNEIDER® and HAGER® (other on request). The KNX devices are prepared in plastic housings with the front engraved and equipped with Ø4mm terminals.

EDUCATIONAL OBJECTIVES

- Studying KNX communication media
- Studying the principle of a home control installation with KNX devices
- Configuration of KNX devices
- Creating the wiring of KNX devices
- Creating home control scenarios

TEACHING RESOURCES STUDENT & TEACHER

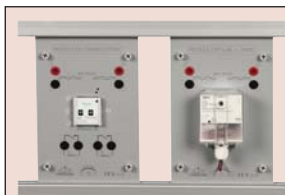
Proposed Practical Works

- Creation of the complete wiring diagram
- Study the creation of KNX wiring and programming for the functions of lighting control, shutter and opening control using pushbuttons
- Creation of home control scenarios like using a single key to switch off the lights, lower the blinds and open the garage door and the gate
- Combine several different brands makes with the same KNX standard

Comprises

- 1 30V power supply module for the bus
- 1 USB interface module for programming from a PC
- 2 4-key pushbutton modules with indicator lights (1 per brand)
- 1 2-key pushbutton module with indicator lights
- 1 universal pushbutton interface module
- 1 Presence detector module
- 1 4-output switch actuator module
- 1 2-outputs switch actuator module
- 1 2-outputs control actuator module
- 1 1-outputs control actuator module
- 1 2-outputs roller blind actuator module
- 1 Module with printing and signalling for two roller blinds
- 1 Module with printing and signalling for opening / closing gate and garage
- 4 Modules for bulkhead lights 60W – 230VAC
- Software ETS lite
- 1 frame with wheels (H x W x D): 1610 x 940 x 500mm equipped with rack for cords (30 fingers)
- 1 single-phase power console:
 - 1 thermal magnetic circuit breaker (16A) - 1 Emergency stop push button with key
 - 1 Push button + LED indicator - 1 230V single-phase output on 4mm safety terminals
 - 2 230Vac sockets (2P + E) + 12 230Vac sockets (2P + E), at the back
- 1 set of safety leads for carrying out the different practical works.

ADDITIONAL KNX MODULES



**HEAT SENSOR HAGER®
LIGHT SENSOR SCHNEIDER®**

ref. DOMO-4



**SMARTPHONE
CONTROL LOT**

ref. COM-KNX

- InSideControl gateway module with power supply
- WiFi switch module

The InSideControl gateway links the KNX installation to the IP network (LAN).

Up to 5 smartphones / tablets can control the installation using the InSideControl App/HD App, available for IOS and Android. The gateway can be used as access interface to the bus (e.g. for the functionalities of the application are configured with the InSideControl Builder software supplied. Smartphones or tablets communicate with KNX devices by WiFi. Smartphone and InSideControl App/HD App are not supplied with the lot.



KNX HEATING CONTROL LOT

- 2-key pushbutton module with indicator light.
- Thermostat module with programming screen + keys.
- 2-output switch actuator module.
- Resistive load module 320W – 230VAC + indicator light.

ref. DOMO-1

KNX TOUCH SCREEN CONTROL LOT

The touch screen is used to view the states and control the KNX functionalities

- 7" touch screen (17.8cm) 65000 colours.
- Power supply 230VAC 50-60Hz.
- USB port
- LAN interface (10/100 Mbit/s)

ref. DOMO-2





Study of the KNX bus – Autonomous subassemblies

On frame ref. SUP-AK. Height 610mm – Width 590mm.

Study of lighting control by pushbutton

- 1 bus power supply module 30V + USB interface.
- 1 pushbutton module, four keys with indicator lights.
- 1 switch actuator module, 2 outputs.
- 2 Bulkhead lighting modules 60W – 230VAC.

ref. QUICK-AK1 with frame

ref. QUICK-AK1-N without frame

Study of variation lighting control by pushbutton

- 1 bus power supply module 30V + USB interface.
- 1 4-key pushbutton module with indicator lights.
- 1 variation actuator module, 2 outputs.
- 2 Modules for bulkhead lights 60W – 230VAC.

ref. QUICK-AK2 with frame

ref. QUICK-AK2-N without frame



Study of lighting control by presence detector

- 1 bus power supply module 30V + USB interface.
- 1 presence detector module.
- 1 switch actuator module, 2 outputs.
- 2 Modules for bulkhead lights 60W – 230VAC.

ref. QUICK-AK3 with frame

ref. QUICK-AK3-N without frame

Study of roller blind control by pushbutton

- 1 bus power supply module 30V + USB interface.
- 1 4-key pushbutton module with indicator lights
- 1 roller blind actuator module, 2 outputs.
- 1 module with diagram and signalling of two roller blinds.

ref. QUICK-AK4 with frame

ref. QUICK-AK4-N without frame



Study of opening control of gate and garage door

- 1 bus power supply module 30V + USB interface.
- 1 4-key pushbutton module with indicator lights.
- 1 switch actuator module, 2 outputs.
- 1 module with diagram and signalling, opening/closing gate and garage.

ref. QUICK-AK5 with frame

ref. QUICK-AK5-N without frame