Scientech logo

Scientech 6204KNX KNX Controlled Home Automation Training System is a resource designed to provide education and training on the KNX protocol, which is a worldwide standard for home and building automation. KNX training platforms offer materials that teach individuals about the KNX system, its components, installation, programming, and integration.

Features

- This System included different KNX component e.g. Power Supply module, USB module, line coupler module, push button with multifunction module 4 fold, push button with multifunction module 2 fold, output actuator module, 4 fold with current detection, dimming actuator module 2 fold, shutter actuator module, 4 fold and different types of load like lamp load, curtain.

- ETS software is provided for configuration and programming of different KNX devices.

- User friendly, self explanatory system.

- Practice troubleshooting skills.

- Experiments configurable through patch board.

- Enhanced electrical safety considerations.

- Caster wheel (with locking mechanism) at the legs of Workbench for easy movement.

- MCB provided with AC supply for safety purpose.

Scope of Learning

Study and use of:

- Engineering Tool Software (ETS) (License free)

- Programming and configuration of KNX devices using ETS software

- Protection module

- Power supply module

- USB module (din rail mounted)

- Line coupler module

- Push button with multifunction module, 4 fold

- Push button with multifunction module, 2 fold

- Output actuator module, 4 fold with current detection

- Dimming actuator module, 2 fold

- Shutter actuator module, 4 fold

- On/Off the bulb load using output actuator module 4 fold, binary switch with manual switch

- On/Off the bulb load using output actuator module 4 fold and pushbutton module 2 fold.

- Control curtain up/down movement using of shutter actuator module 4 fold and pushbutton module 2 fold.

- Control dimming and on/off action of bulb load using dimming actuator module 2 fold and pushbutton module 4 fold.

EST Software window

Technical Specifications

Protection module: 1 no.

Protection module: Combined 10A DP MCD and RCD (RCBO), 30mA.

Power Supply, 640mA module: 1 no.

- Power: 230V ± 10%
- Output voltage: 28 to 31V
- Output current: 640mA
- Additional output: 30V DC auxiliary voltage

USB module (Din rail mounted): 1 no.

- Operating voltage: 21-32V
- Operating temperature: -5 to 45^{0}C

Line coupler module: 1 no.

- Operating voltage: 21 to 31V
- Operating temperature: -5 to 45^{0}C
- Functions: Can be used as line/area coupler

Push button with multifunction module, 4 fold: 1 no.

- Operating voltage: 21 to 31V
- Operating temperature: -5 to 45^{0}C
- Operation: Programmable button 4/8

Push button with multifunction module, 2 fold: 1 no.

- Operating voltage: 21 to 31V
- Operating temperature: -5 to 45^{0}C
- Operation: Programmable button 2/4

Output actuator module, 4 fold with current detection: 1 no.

- Operating voltage over bus: 21 to 31V
- Auxiliary voltage :230V
- Resistive load: 20A/230VAC, 20A/24VDC
- Manual operation button: 4 no. of mechanical bypass

Dimming actuator module, 2 fold: 1 no.

- Operating voltage over bus: 21-32V
- Control voltage: 230V
- Electronic transformer: 400W per channel
- Operating temperature: -5 to 45^{0}C
- Output channel: 2 nos

Shutter actuator module, 4 fold: 1 no.

- Operating voltage over bus: 21-32VDC
- Auxiliary voltage: 230V

Bulb load : 1 no.

- Power : 5W

Tube light load : 1 no.

- Power: 5W
- Curtain : 1 no.

List of Accessories :

- 2mm patch cord red 16"   :   10 nos.
- 2mm patch cord black 16"   :   2 nos.
- 2mm patch cord yellow 16"   :   2 nos.
- 2mm patch cord blue 16"   :   2 nos.
- 4mm patch cord red   :   8 nos.
- 4mm patch cord black   :   6 nos.
- 4mm patch cord yellow   :   4 nos.
- 4mm Patch cord blue   :   4 nos.
- ETS Software (License free)   :   1 no.

Subject to Change