



What is KNX?

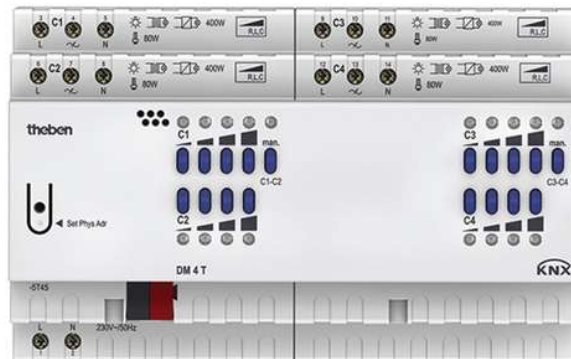
- ▶ Open Source, decentralized building automation system
- ▶ 33 Years old, conceived and designed by 10 industry leading manufacturer's
- ▶ 8000+ Products from 500+ manufacturers
- ▶ Globally recognised standard in residential & commercial building automation
- ▶ Lighting, HVAC, Blinds/Shutters, Security, Energy, AV + more



Flawless Dimming

KNX ensures your Lights Dim with flawless precision meaning:

- ▶ No flicker, strobe, flash or buzzing
- ▶ Accuracy to the 1-percent
- ▶ Soft on/off and ability to set limits based on defined conditions
- ▶ Daylight Harvesting as standard



Blinds, Awning's & Windows

KNX control of blinds, awning's and windows offers end users comfort and convenience by means of:

- ▶ Blinds automatically lower on south facing windows during Sunny spells to help reduce room temperature
- ▶ Awning's can automatically retract during high wind conditions
- ▶ Windows can automatically open and close to achieve room setpoints and/or prevent room heating if open
- ▶ Automate closing all blinds at night time or manually via a single button push



Fire, Intruder & CCTV

KNX can integrate and control other elements of your property such as Fire alarm, Intruder alarm and CCTV:

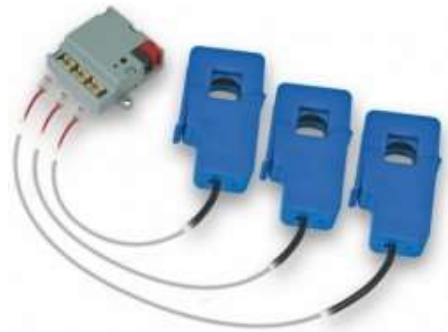
- ▶ Use your CCTV Camera's to detect exterior motion and control security lights
- ▶ Lights automatically come on and windows open if your Fire Alarm activates
- ▶ Remotely set and unset your intruder Alarm
- ▶ Use Presence Sensors as Intruder Alarm Sensors for less wall/ceiling clutter



Energy Monitoring

KNX can monitor each electrical circuit for dynamic or historical reporting thus allowing you to:

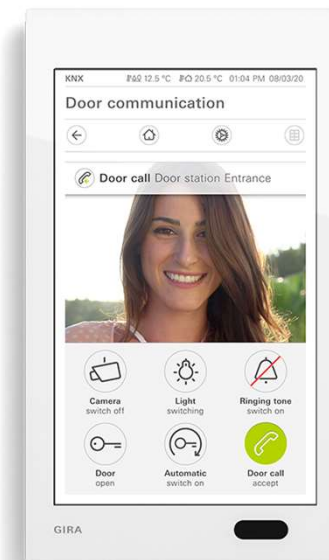
- ▶ Make changes to lighting schedules to reduce consumption
- ▶ Set up on/off schedules for heavy load appliances (Cookers, EV Charger, etc...)
- ▶ Send an Alarm if a critical appliance goes offline



Switch Controls

KNX can control much more than Lighting thus every 'Light' switch should meet the needs of the room which may mean:

- ▶ a button for boosting heating or a pair for controlling setpoint temp
- ▶ a button for setting a particular scene (Blinds down, lights on, etc..)
- ▶ a button for Play/Stop, Mute or Skip of an Audio Input
- ▶ a button for control of a door/gate/window



Presence Detection

Presence detection is a simple yet effective solution to automation and comfortable living, for example:

- ▶ Constant Control of Lighting dependant of Lux Levels / Movement
- ▶ Presence boost of heating zones
- ▶ Occupancy monitoring for Alarm Triggering



Remote Access & Control

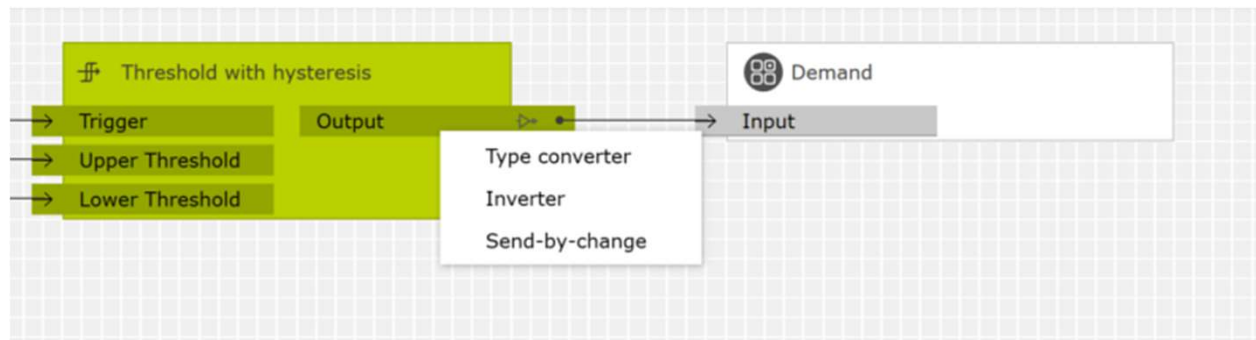
Full control and reporting is available remotely with a secure link to your property allowing you to:

- ▶ Switch on/off lights, heating, blinds, etc...
- ▶ Make end user changes to timer schedules as and when required
- ▶ Add new users, set privileges and link with Smart Assistants
- ▶ Check current temperature, wind speed, door/gate/window status



Scene's, Timers & Logic

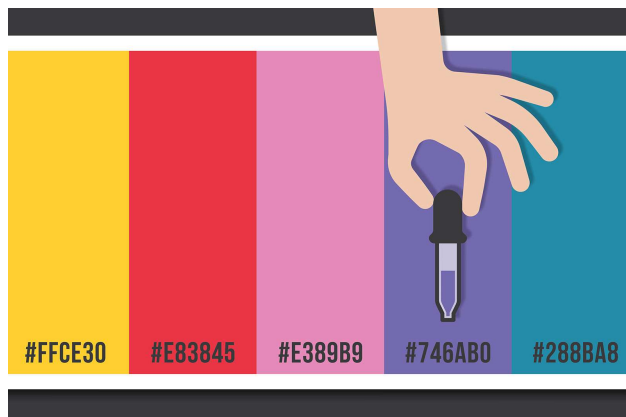
- ▶ Utilising **Scene control** allows the end user to carry out multiple commands on one button push such as: Blinds Down, Lights On and Music Play
- ▶ Utilising **Timer control** allows automation of functions dependant on your schedule, for example: Close Gates at 8pm and Lower blinds at 9pm
- ▶ Utilising **Logic control** allows the end user to carry out complex functions based on the status of other functions, example: Close gates if outside Lux level is less than 50Lx



Complex Colour Control made simple

With the integration of either DALI or DMX, it is possible to achieve complex colour control of lighting with ease. Both DALI and DMX allow for exact colour selection on HEX Colour chart with benefits of:

- ▶ Humancentric (Lighting gradually alters colour over the course of the day)
- ▶ Create the perfect backdrop with over 16 million colour options
- ▶ Synchronise lights and zones to ensure consistent colour selection



Audio / Visual

SAVANT

For those seeking the Home Cinema experience, we can integrate Savant AV alongside KNX which offers:

- ▶ 4K Video Distribution
- ▶ Video Tiling (Multiple simultaneous streams)
- ▶ Audio Distribution with Digital and Analogue Media inputs
- ▶ Full room control (Lights, Blinds, Heating, Audio & Video via a Digital Remote and/or App)



Multi-Room Audio

SONOS

SONOS products can also be integrated directly within the KNX System offering:

- ▶ Multi-Room Audio Control (interior and exterior Speakers)
- ▶ Digital and Analogue Media inputs
- ▶ Scene control of Audio in conjunction with logic and timer



Lighting Design Service

We have partnered with a professional Lighting Design service offering:

- ▶ Lighting Schedules for Decorative & Functional Lighting
- ▶ Light Level and As-installed Drawings
- ▶ Advice on functional, ambient and feature lighting
- ▶ Competitive Pricing on supply of all Lighting aspects



Consistent Wiring Accessories

We offer a wide range of Wiring Accessories (Switches & Sockets) so you can keep your design consistent throughout your house. Our most popular range features 11 Metal finishes, 4 Plastic finishes and 63 Polychrome finishes.





For more info:
www.knxireland.com
rps@knxireland.com

