



Pixie Switcher™ Custom Products

Custom Switching Design & Manufacture for OEMs

Summary

The *Pixie Switcher* system provides switching solutions using the ZigBee wireless mesh networking Home Controls – Lighting (HC-L) ZigBee profile. Devices have up to 8 on/off control lines, which can be inputs (switches) or outputs (loads).

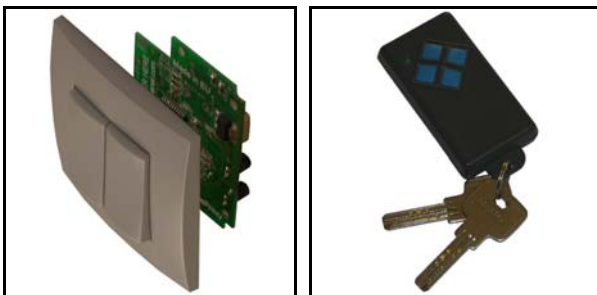
Inputs can be connected to any outputs within a ZigBee network of up to 256 devices. For example, one control switch input could control several outputs, while multiple inputs could control one particular output.

Switching messages are sent around the network on a backbone of routers, which must be always-on devices. Load controllers are usually assigned as routers as they usually have plenty of power available.

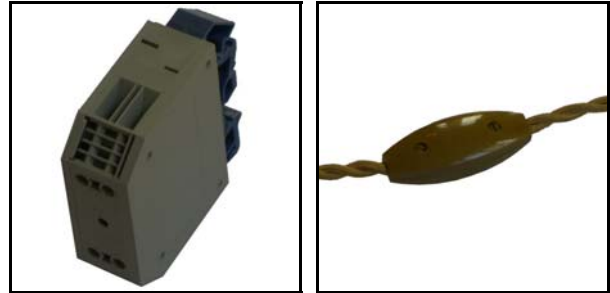
Switches are usually configured as sleepy end devices. This means that they can stay in a low power sleep state until a switch is activated. Then they wake up, send a message, and go back to sleep again. In this way they can be battery powered with a decade-long battery life.

Wireless switching devices revolutionize domestic and industrial switching systems. Installation costs are dramatically reduced. Voltages are safe. Switches can be moved as required. They don't even have to be wall mounted. Without any trailing wires, they look great on a glass coffee table. Additional components such as key-fobs and PCs can also be added as needed.

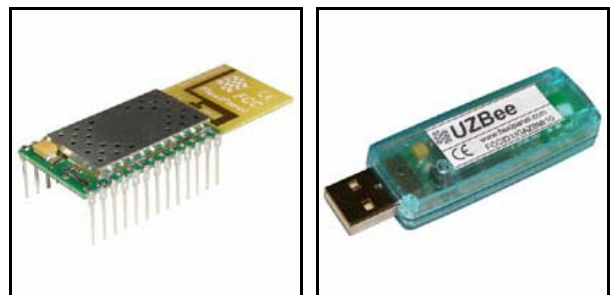
Contact FlexiPanel Ltd for custom switching designs. You won't need to understand radio at all. Just on and off inputs. It's that easy.



Custom battery operated switch designs



Custom DIN rail and ceiling-space load controllers



Custom embedded and interface components

Applications

- Lighting control
- Appliance remote control
- Security and burglar alarms
- Access control systems
- Electrically isolated switching
- Device fault/missing/stolen alert
- Device needs charging alert

Hardware Features

- Integral 'G' antenna, free-space range 120m, compact, low 'hand-effect' design
- Across-the-mesh range unlimited
- Secure, encrypted communications
- FCC / CE compliant
- Wide temperature range –40°C to +85°C
- Compatible with other ZigBee HC-L devices



FlexiPanel Ltd
2 Marshall St, 3rd Floor
London W1F 9BB, UK
www.flexipanel.com
email: support@flexipanel.com



Manufactured to ISO9001:2000