We Do Loxone, Lutron, Control 4 & KNX

Prepared for: James Bond

3 Bed, 2 Reception in NW10

Date: 24/10/2023

All Wiring Included, Smart & Traditional

Meet the team: jsjelec.com/team

Our Vision

In 2009 JSJ was birthed out of frustration with the expense and complication associated with Home Automation. Our vision is to give homes a more affordable, safe & yet highly intelligent solution by working closely with our partners at Loxone. Our vision has and will always be to bring all the functional aspects of the home into 1 place, from Security and Lighting, right through to Fire Safety.
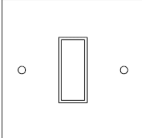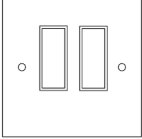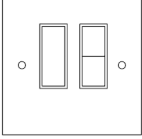
Our Mission

It is our mission to be the technology catalyst for the building industry by using 1 platform to control multiple aspects of the home. JSJ are passionate and committed to making Home Automation affordable and accessible for everyone. We are inspired and driven to find ways that can provide the highest levels of comfort, convenience, fun and peace of mind.

1 App
1 User Experience
1 Thing to Learn

www.jsjelec.com

CEDIA

QTY	UNIT PRICE	DESCRIPTION	O&M DESCRIPTION
LIGHTING: £4230.91			
6	£0.00	Dimmable circuit - Individual dimmed circuits required. There is 1 dimmer module to every 4 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 dimmer output controls 1 circuit, for example a bedroom with 6 downlights is classified as 1 circuit.	In contrast to conventional lighting which is mechanically controlled, these dimmer outputs are electonically controlled so they are configurable by you as the user in an instant. These dimmers work with virtually any light fittings. Good quality LED bulbs recommned for the best dimmming curve.
15	£0.00	Relay - Lighting - Individual relays required. There is 1 module to every 14 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 relay controls 1 circuit, for example a bathroom with 4 downlights is classified as 1 circuit.	In contrast to conventional lighting which is mechanically controlled, these relays are electonically controlled so they are configurable by you as the user in an instant. These relays works with any fittings even existing chandeliers etc,
5	£22.52	1 switch, 2 position - Typical budget allowed for a premium switch, use any switch, from any manufacturer in many finishes: E.g Brushed SS, White Metal, etc. Typical use is lights & all off function, e.g at Entrance switch	Tap button once to scroll through lighting scenes, double tap middle to turn off room. At the main entrance & master bedroom switch, hold down for 3 secs to shutdown the entire house. Triple tap switch in the main entrance to arm the alarm which in turn will shut down the entire house.
2	£31.79	2 switches, 2 position - Typical budget for premium switch, use any switch, from any manufacturer in many finishes: E.g Brushed SS, White Metal, etc. Typical use is light control multiple areas from one point	Tap button once to scroll through lighting scenes, double tap middle to turn off room. At the main entrance & master bedroom switch, hold down for 3 secs to shutdown the entire house. Triple tap switch in the main entrance to arm the alarm which in turn will shut down the entire house.
4	£40.48	2 switches, 2 & 3 position - Typical budget for a contemporary toggle switch switch, use any switch, from any manufacturer in many finishes: E.g Brushed SS, White Metal, etc. Typical use is lights & multiple blinds/window control	Tap up/down button to control blinds/curtains up/down respectively.
11	£80.26	6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling	---
1	£3,010.00	Asscociated labour on a price per point basis	---

HEATING & VENTILATION: £2288.67

	Qty	Price	Description	Notes
	11	£8.60	Temperature Zone - Embeded sensor, allows any switch to become a thermostat	Used as the thermostat in the respective room/zone. These temp sensors are embeeded in every light switch and provide temperature readings in each room, hence reducing wall clutter. Control each room independantly from your Loxone app or wall station if requested.
	2	£12.01	Temperature sensor - Floor - Monitor & protect the floor with a probe per zone. We always recommend that the sensor is fit inside a conduit to protect the sensor and to ease retrieval if required.	Used as the temperature sensors in the floor to ensure your floor temp does not exceed 38 degrees. In the event this happens the heating in that zone will be stopped. In bathrooms where there are no switches/sensors inside the bathroom we will use the ambient temperature of the floor to control that Zone.
	9	£0.00	Relay - Radiator - Individual relay control for 1 zone, 1 electric thermostatic radiator valve per radiator. Typically triggered via timer, temperature and/or presence	---
	2	£0.00	Relay - Towel Rail - Individual relay control. Typically triggered via timer, temperature and/or presence	---
	4	£0.00	Relay - Extractor fan control - Individual relays required. There is 1 module to every 8 circuits. Cost shown here is the average cost per output, please see dependencies for more details.	Triggers after 2 minutes of presence in a bathroom or increased humidity above 65%
	1	£0.00	Boiler Wiring Centre - Zone Valves & Power to Panel - Individual relay control for x2 2/3 port valves alongside feed back to panel to ensure all heating is on 1 circuit. Typically triggered via 1 more zone demand	---
	2	£0.00	Power Supply Heating/Manifolds - Power Supply to all Manifolds	---

	1	£2,170.00	Asscociated labour on a price per point basis	---

SECURITY: £232.66

	1	£162.66	Dahua CCTV Camera - This camera comes in many shames, sizes and form factors. Choice of a dark grey colour or white.	AI is used differentiate between a human and any animal in your garden after hours. Also, vehicle detection, camera masking detection and trip wire detection will be setup for granular security. Your system is on continuos recording and in the event of any of the above alarm triggers, a notification with a recoding of the event time frame will be given to you via a pop up instantly. Direct App link from Loxone to Dahua's DMSS app for CCTV
	1	£70.00	Asscociated labour on a price per point basis	---

ACCESS CONTROL: £70

	1	£0.00	Relay - Door Release - Individual relays required. Typically triggered via a fob, keypad, button press or voice	---
	1	£70.00	Asscociated labour on a price per point basis	---

GENERAL AUTOMATION: £1059.93

| | 6 | £106.66 | Flush Mounted Presence Sensor - Used to detect motion and brightness. As one of the most important sensors in the smart home, it provides information for useful features like alarms, lighting and energy saving. Comes in black or white. | Rooms with presence detection. When you walk into a room, the light will turn on for a minimum of 5 minutes (TH) and will remain on while there is still presence detected. If lights are manually switched on, after 30 mins (MT) of no motion (absence scene), the lights will automatically switch off, this is set to 120 mins in the Kitchen and Living room. If lights are manually turned off, motion detection will be disabled for 5 minutes (Ti). There will be 2 presence moods per |
| | 1 | £420.00 | Asscociated labour on a price per point basis | --- |

DATA: £1051.94
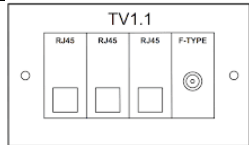
	5	£29.99	TV point (3 Data & 1 Coax) - Euro module insert only, typicaly 1 or 2 cables will be spare for future expansion	---
	3	£114.00	Ubiquity U6 Lite WiFi Access Point - Used to extend the WiFi in your home into 1 seemless large & robust network	---
	1	£560.00	Asscociated labour on a price per point basis	---

AUDIO & VISUAL: £4476.41

| | 14 | £125.66 | Quadral In-Ceiling 7 Speaker - Wide sound radiation pattern, which means no matter where you are in the room, the sound is everywhere, exceptionally balanced and clear. Designed specifically for use with the Loxone Audioserver. Product dimensions: 232.2 x 95.1mm. Cut out size: 203mm. Installation depth: 91.7mm | --- |

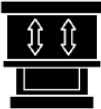| | 7 | £248.16 | Stereo Extension - Each Stereo Extension adds 2 more amplifier outputs to the Audioserver - giving you a scaleable audio solution. | --- |

| | 1 | £980.00 | Asscociated labour on a price per point basis | --- |

WEATHER, SHADING & MOTORISED APPLIANCES: £350

| | 5 | £0.00 | Relay - 230V Blinds - Individual relays required. Typically triggered via a button press, weather, time of day, sunshine direction and voice | --- |

| | 1 | £350.00 | Asscociated labour on a price per point basis | --- |

POWER & GENERAL EQUIPMENT: £8333.76
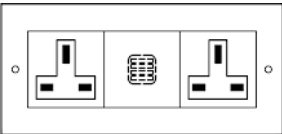
| | 35 | £39.60 | Double sockets with USB's - With the average home now containing a multitude of smart phones, tablets and other devices, there's never been more need for USB ports. Available in a variety of finishes by Schneider | --- |

| | 2 | £72.48 | Shaver - Dual Voltage: 115v / 230v, available in a variety of finishes by Schneider | --- |

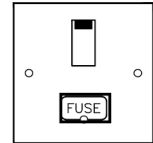|			
	2	£80.40	Extractor Fan - iCON stylish extractor fan range is aesthetically designed low energy fans with a choice of interchangeable iCON modules and coloured covers to match your room and needs.	---
	47	£36.00	Downlights - Astro minima recessed or trimless light fititngs, including LED bulbs with 50,000 hours lifespan. Come in warm white or cool white at various light intensities	---
	10	£12.00	Pendant - MK Gloss White Pendant set (L)230mm, can be changed in the future to the Chandlier of your choice	---
	1	£36.00	External flood lights/Flurorescent - Budget proposal only for external LED flood light.	---
	1	£598.80	Schneider DB - Consumer unit for the entire property	---
	2	£45.60	External socket - Weatherproof and dust-tight 13A socket. Manufactured from robust, impact-resistant polycarbonate with multiple gland entry positions. Double pole switching.	---
	1	£66.00	Kitchen Grid Switch - Isolation for all your kitchen appliances in 1 discrete place, out of site, out of mind	---
	8	£6.00	Fused Spur/Socket (Hidden) - Fused connetion unit for any fixed appliances	---

| | 1 | £3,990.00 | Asscociated labour on a price per point basis | --- |

AUTOMATION EQUIPMENT & PANELS + SUNDRIES: £7538.45

	1	£642.05	Miniserver Gen 2 - The brain of your Loxone system and can look after everything around the house, from simple lighting to intelligent zoned heating control
	2	£451.97	Dimmer Extentions - With the Loxone Dimmer Extension you can dim all types of lights including LEDs. Simple!
	3	£330.53	Relay Extentions (+14 Relays) - Expand your Loxone system with 14 hefty 16A relays to switch even the biggest loads with ease.
	2	£181.63	1 Wire - Use 1-Wire sensors as part of your Loxone system as they are very cost effective for installations with large numbers of sensors
	1	£67.58	24V Power Supply (4.2A) - DIN rail mounted power supply from TDK-Lambda
	1	£157.34	10A Power Supply - DIN rail mounted power supply from TDK-Lambda

1	£5.99	MCB - For independant isolation of individual circuits. Better segregation of circuits lead to minimum disruption in the event of a fault
6	£58.61	RCBO - RCBO for segregated additonal protection
1	£27.08	100a Isolator - For opening and closing circuits under load. For disconnection of on-load electrical circuits already protected against overloads and short-circuits
1	£550.00	5 Din Rail Automation Panel - Elegant panel hand crafted by Future Automation - Product Dimensions: 1125mm (44.3") x 690mm (27.2") x 141.5mm (5.6")
1	£100.00	Prefab Panel Cabling - Internal cable used in the building of your Automation panel
1	£215.42	3 Port Terminal For 3 Core + CPC Cable (50 PCS) - 3 Core & Earth Terminal, perfect for connecting blinds, curtain or garage door motors
1	£115.10	Push In Terminal Block, Twin + CPC (50 PCS) - Twin & Earth Terminal for 230V circuits
1	£220.71	Push In Terminal Block 8 X 4, Interconnected (20 PCS) - 8 Layer Interconnected Terminal Block, perfect for 24V distribution & 1-Wire

	1	£209.09	Push In Terminal Block 8 X 4, Seperated (20 PCS) - 8 Layer Terminal Block, perfect for connecting sensors
	1	£495.26	Audioserver - Flexible audio solution for any building, compact form factor with impressive performance and containing 4 amplifier outputs.
	1	£2,122.40	1st fix cable infrastructure - Estimate for structured cabling. Can be supplied by others.
	1	£0.00	All materials required for your smart system, this includes items for housing any kit, power supplies and any associated sundries	---

RACK EQUIPMENT: £2054.97

	1	£574.95	Draytek Network Switch 24 Port POE (P2280X) - The VigorSwitch P2280x is a high performance L2+ managed Gigabit ethernet switch. With 24 PoE+ (Power over Ethernet) RJ-45 LAN ports and 4 10 Gigabit ethernet SFP+ ports for high bandwidth uplinks to servers, network attached storage and switches.
	1	£590.00	Sanus CFR Series Enclosed Rack 15U - 600 X 600 X 15U Rack for housing all Network & AV equipment
	1	£297.56	Draytek Router - DrayTek Routers provide business-grade features including VPN, firewall, content filtering, and bandwidth management, are an integrated network solution for home and business

| | 1 | £102.00 | Rack roof fans - Ideal for all floorstanding general purpose and server-style cabinets and enclosures, up to 1000mm in cabinet depth. Keeps all your networks and AV equipment cool |

| | 2 | £46.80 | 6 way PDU - Rack Power Distribution Unit with BS 1363 UK Sockets and UK Plug Input - comes with surge Protection inbuilt |

| | 3 | £6.00 | 1U Blank Plate - 1U blank plate. For use in all types of standard rack/server cabinets for aestethics |

| | 2 | £18.00 | 1U Brush Plate - 1U Brush Strip cable management panel. For use in all types of standard rack/server cabinets |

| | 1 | £342.86 | Dahua NVR - Video recorder connected to your network that records video footage from the IP cameras also connected to that network. |

| | 1 | £0.00 | All materials required for your network and/or and AV equipment. | --- |

SPECIALIST LABOUR

DESCRIPTION	PRICE	LABOUR DESCRIPTION

	OPTIONAL 1 YEAR CLIENT CARE PACKAGE (GOLD)	£839.88	The maintenance cost proposal is largely based on response time and the degree of physical support available. Irrespective of the size/complexity of your project our prices are designed to fit all needs and budgets. Response times outside our care packages are typically 10 – 20 working days. See more here: https://jsjelec.com/jsj-client-care-package-signup
	INITIAL PROJECT DESIGN	£2,072.70	Project design is an early phase of the project where the project's key features are assessed to ensure integration with the rest of the property.
	PROJECT MANAGEMENT	£1,470.00	Communicate with all trades to achieve all project goals within the given constraints to facillitate the process and ensuring that primary constraints are scope, time, and budget.
	SITE VISITS (OVERSEEING INSTALLERS)	£900.00	Time required to ensure that things are progressing onsite as expected.
	RACK - (PREFABRICATION OFF SITE)	£1,017.83	Your entire network will be prebuilt and configured in our workshop and go through our quality assurance process.
	RACK - INSTALLATION (ON SITE)	£1,017.83	Installation of your Data/AV rack onsite, this is where all the network based CAT cables will connect into.
	HA PANEL - PREFABRICATION (OFF SITE)	£2,940.00	Your entire home automation panel which is the brain for your home will will be prebuilt and configured in our workshop within a controlled environment. All peripheral items will also be setup offsite to ensure time on site is minimised and hence controlled
	HA PANEL - INSTALLATION - (ON SITE)	£2,425.50	Installation of your home automation panel onsite, essentially connecting the backbone infrastructure cabling of the house into your Loxone panel.

	PROGRAMING & COMISSIONING	£1,470.00	Planning, documenting, scheduling, adjusting and verifying to provide a facility that operates as a fully functional system per the Owner's Project Requirements.
	CLIENT TRAINING & OWNERS MANUAL	£294.00	The operation and maintenance (O&M) manual is a detailed document containing the instructions to manage and maintain the smart home/property. It details what each component that you have to interact with can/will do
	TESTING & COMMISSIONING	£300.00	Functional checks: ensuring that all systems and components of the building management systems (BMS) are designed, installed and tested according to the operational requirements of the owner or final client.

Total = £46435.44 Ex VAT

QTY	UNIT PRICE	TOTAL	DESCRIPTION

Kitchen: £1,533.51

LIGHTING

QTY	UNIT PRICE	TOTAL	DESCRIPTION
1	£0.00	£0.00	Dimmable circuit - Individual dimmed circuits required. There is 1 dimmer module to every 4 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 dimmer output controls 1 circuit, for example a bedroom with 6 downlights is classified
1	£0.00	£0.00	Relay - Lighting - Individual relays required. There is 1 module to every 14 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 relay controls 1 circuit, for example a bathroom with 4 downlights is classified as 1 circuit.
1	£22.52	£22.52	1 switch, 2 position - Typical budget allowed for a premium switch, use any switch, from any manufacturer in many finshes: E.g Brushed SS, White Metal, etc. Typical use is lights & all off function, e.g at Entrance switch
1	£80.26	£80.26	6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling

HEATING & VENTILATION

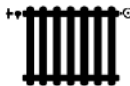| QTY	UNIT PRICE	TOTAL	DESCRIPTION
1	£8.60	£8.60	Temperature Zone - Embeded sensor, allows any switch to become a thermostat
1	£0.00	£0.00	Relay - Radiator - Individual relay control for 1 zone, 1 electric thermostatic radiator valve per radiator. Typically triggered via timer, temperature and/or presence

1	£0.00	£0.00	Relay - Extractor fan control - Individual relays required. There is 1 module to every 8 circuits. Cost shown here is the average cost per output, please see dependencies for more details.

GENERAL AUTOMATION
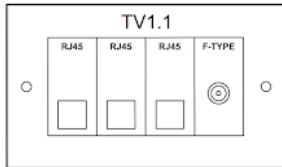
1	£106.66	£106.66	Flush Mounted Presence Sensor - Used to detect motion and brightness. As one of the most important sensors in the smart home, it provides information for useful features like alarms, lighting and energy saving. Comes in black or white.

DATA

1	£29.99	£29.99	TV point (3 Data & 1 Coax) - Euro module insert only, typicaly 1 or 2 cables will be spare for future expansion
1	£114.00	£114.00	Ubiquity U6 Lite WiFi Access Point - Used to extend the WiFi in your home into 1 seemless large & robust network

AUDIO & VISUAL

2	£125.66	£251.33	Quadral In-Ceiling 7 Speaker - Wide sound radiation pattern, which means no matter where you are in the room, the sound is everywhere, exceptionally balanced and clear. Designed specifically for use with the Loxone Audioserver. Product dimensions: 232.2 x 95.1mm. Cut out size: 203mm. Installation depth: 91.7mm
1	£248.16	£248.16	Stereo Extension - Each Stereo Extension adds 2 more amplifier outputs to the Audioserver - giving you a scaleable audio solution.

POWER & GENERAL EQUIPMENT
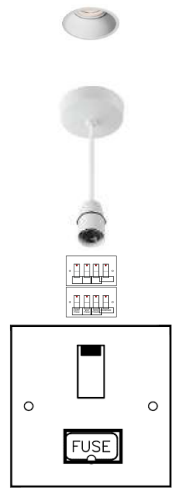
5	£39.60	£198.00	Double sockets with USB's - With the average home now containing a multitude of smart phones, tablets and other devices, there's never been more need for USB ports. Available in a variety of finishes by Schneider

	9	£36.00	£324.00	Downlights - Astro minima recessed or trimless light fititngs, including LED bulbs with 50,000 hours lifespan. Come in warm white or cool white at various light intensities

3 £12.00 £36.00 Pendant - MK Gloss White Pendant set (L)230mm, can be changed in the future to the Chandlier of your choice

1 £66.00 £66.00 Kitchen Grid Switch - Isolation for all your kitchen appliances in 1 discrete place, out of site, out of mind

8 £6.00 £48.00 Fused Spur/Socket (Hidden) - Fused connetion unit for any fixed appliances

Dining: £679.37

LIGHTING

1 £0.00 £0.00 Dimmable circuit - Individual dimmed circuits required. There is 1 dimmer module to every 4 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 dimmer output controls 1 circuit, for example a bedroom with 6 downlights is classified as 1 circuit.

1 £22.52 £22.52 1 switch, 2 position - Typical budget allowed for a premium switch, use any switch, from any manufacturer in many finshes: E.g Brushed SS, White Metal, etc. Typical use is lights & all off function, e.g at Entrance switch

1 £80.26 £80.26 6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling

HEATING & VENTILATION

	1	£8.60	£8.60	Temperature Zone - Embeded sensor, allows any switch to become a thermostat
	1	£0.00	£0.00	Relay - Radiator - Individual relay control for 1 zone, 1 electric thermostatic radiator valve per radiator. Typically triggered via timer, temperature and/or presence

GENERAL AUTOMATION

	1	£106.66	£106.66	Flush Mounted Presence Sensor - Used to detect motion and brightness. As one of the most important sensors in the smart home, it provides information for useful features like alarms, lighting and energy saving. Comes in black or white.

AUDIO & VISUAL

	2	£125.66	£251.33	Quadral In-Ceiling 7 Speaker - Wide sound radiation pattern, which means no matter where you are in the room, the sound is everywhere, exceptionally balanced and clear. Designed specifically for use with the Loxone Audioserver. Product dimensions: 232.2 x 95.1mm. Cut out size: 203mm. Installation depth: 91.7mm

WEATHER, SHADING & MOTORISED APPLIANCES
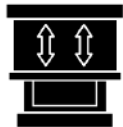
	1	£0.00	£0.00	Relay - 230V Blinds - Individual relays required. Typically triggered via a button press, weather, time of day, sunshine direction and voice

POWER & GENERAL EQUIPMENT
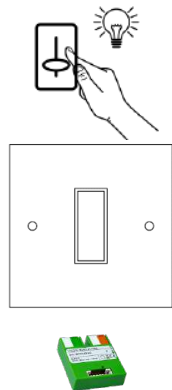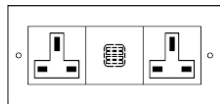
	5	£39.60	£198.00	Double sockets with USB's - With the average home now containing a multitude of smart phones, tablets and other devices, there's never been more need for USB ports. Available in a variety of finishes by Schneider
	1	£12.00	£12.00	Pendant - MK Gloss White Pendant set (L)230mm, can be changed in the future to the Chandlier of your choice

Living: £963.47

LIGHTING

	1	£0.00	£0.00	Dimmable circuit - Individual dimmed circuits required. There is 1 dimmer module to every 4 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 dimmer output controls 1 circuit, for example a bedroom with 6 downlights is classified as 1 circuit.
	1	£40.48	£40.48	2 switches, 2 & 3 position - Typical budget for a contemporary toggle switch switch, use any switch, from any manufacturer in many finshes: E.g Brushed SS, White Metal, etc. Typical use is lights & multiple blinds/window control
	1	£80.26	£80.26	6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling

HEATING & VENTILATION

	1	£8.60	£8.60	Temperature Zone - Embeded sensor, allows any switch to become a thermostat
	1	£0.00	£0.00	Relay - Radiator - Individual relay control for 1 zone, 1 electric thermostatic radiator valve per radiator. Typically triggered via timer, temperature and/or presence

GENERAL AUTOMATION

|				
	1	£106.66	£106.66	Flush Mounted Presence Sensor - Used to detect motion and brightness. As one of the most important sensors in the smart home, it provides information for useful features like alarms, lighting and energy saving. Comes in black or white.

DATA

	1	£29.99	£29.99	TV point (3 Data & 1 Coax) - Euro module insert only, typicaly 1 or 2 cables will be spare for future expansion

AUDIO & VISUAL

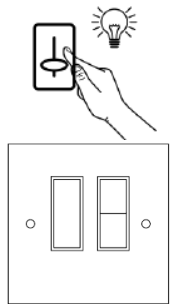|				
	2	£125.66	£251.33	Quadral In-Ceiling 7 Speaker - Wide sound radiation pattern, which means no matter where you are in the room, the sound is everywhere, exceptionally balanced and clear. Designed specifically for use with the Loxone Audioserver. Product dimensions: 232.2 x 95.1mm. Cut out size: 203mm. Installation depth: 91.7mm
	1	£248.16	£248.16	Stereo Extension - Each Stereo Extension adds 2 more amplifier outputs to the Audioserver - giving you a scaleable audio solution.

WEATHER, SHADING & MOTORISED APPLIANCES

	1	£0.00	£0.00	Relay - 230V Blinds - Individual relays required. Typically triggered via a button press, weather, time of day, sunshine direction and voice

POWER & GENERAL EQUIPMENT

	5	£39.60	£198.00	Double sockets with USB's - With the average home now containing a multitude of smart phones, tablets and other devices, there's never been more need for USB ports. Available in a variety of finishes by Schneider

Master Bedroom: £1,057.21
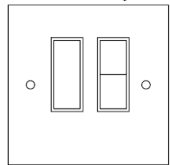
LIGHTING

	1	£0.00	£0.00	Dimmable circuit - Individual dimmed circuits required. There is 1 dimmer module to every 4 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 dimmer output controls 1 circuit, for example a bedroom with 6 downlights is classified as 1 circuit.
	2	£0.00	£0.00	Relay - Lighting - Individual relays required. There is 1 module to every 14 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 relay controls 1 circuit, for example a bathroom with 4 downlights is classified as 1 circuit.
	1	£40.48	£40.48	2 switches, 2 & 3 position - Typical budget for a contemporary toggle switch switch, use any switch, from any manufacturer in many finshes: E.g Brushed SS, White Metal, etc. Typical use is lights & multiple blinds/window control

	1	£80.26	£80.26	6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling

HEATING & VENTILATION

	1	£8.60	£8.60	Temperature Zone - Embeded sensor, allows any switch to become a thermostat
	1	£0.00	£0.00	Relay - Radiator - Individual relay control for 1 zone, 1 electric thermostatic radiator valve per radiator. Typically triggered via timer, temperature and/or presence

DATA

	1	£29.99	£29.99	TV point (3 Data & 1 Coax) - Euro module insert only, typicaly 1 or 2 cables will be spare for future expansion

AUDIO & VISUAL

	2	£125.66	£251.33	Quadral In-Ceiling 7 Speaker - Wide sound radiation pattern, which means no matter where you are in the room, the sound is everywhere, exceptionally balanced and clear. Designed specifically for use with the Loxone Audioserver. Product dimensions: 232.2 x 95.1mm. Cut out size: 203mm. Installation depth: 91.7mm
	1	£248.16	£248.16	Stereo Extension - Each Stereo Extension adds 2 more amplifier outputs to the Audioserver - giving you a scaleable audio solution.

WEATHER, SHADING & MOTORISED APPLIANCES
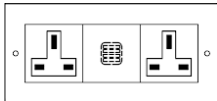
	1	£0.00	£0.00	Relay - 230V Blinds - Individual relays required. Typically triggered via a button press, weather, time of day, sunshine direction and voice

POWER & GENERAL EQUIPMENT

	4	£39.60	£158.40	Double sockets with USB's - With the average home now containing a multitude of smart phones, tablets and other devices, there's never been more need for USB ports. Available in a variety of finishes by Schneider
	6	£36.00	£216.00	Downlights - Astro minima recessed or trimless light fititngs, including LED bulbs with 50,000 hours lifespan. Come in warm white or cool white at various light intensities
	2	£12.00	£24.00	Pendant - MK Gloss White Pendant set (L)230mm, can be changed in the future to the Chandlier of your choice

Bedroom 2: £1,057.21

LIGHTING

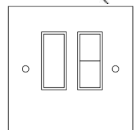|				
	1	£0.00	£0.00	Dimmable circuit - Individual dimmed circuits required. There is 1 dimmer module to every 4 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 dimmer output controls 1 circuit, for example a bedroom with 6 downlights is classified as 1 circuit.
	2	£0.00	£0.00	Relay - Lighting - Individual relays required. There is 1 module to every 14 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 relay controls 1 circuit, for example a bathroom with 4 downlights is classified as 1 circuit.
	1	£40.48	£40.48	2 switches, 2 & 3 position - Typical budget for a contemporary toggle switch switch, use any switch, from any manufacturer in many finshes: E.g Brushed SS, White Metal, etc. Typical use is lights & multiple blinds/window control
	1	£80.26	£80.26	6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling

HEATING & VENTILATION

	1	£8.60	£8.60	Temperature Zone - Embeded sensor, allows any switch to become a thermostat
	1	£0.00	£0.00	Relay - Radiator - Individual relay control for 1 zone, 1 electric thermostatic radiator valve per radiator. Typically triggered via timer, temperature and/or presence

DATA

	1	£29.99	£29.99	TV point (3 Data & 1 Coax) - Euro module insert only, typicaly 1 or 2 cables will be spare for future expansion

AUDIO & VISUAL

	2	£125.66	£251.33	Quadral In-Ceiling 7 Speaker - Wide sound radiation pattern, which means no matter where you are in the room, the sound is everywhere, exceptionally balanced and clear. Designed specifically for use with the Loxone Audioserver. Product dimensions: 232.2 x 95.1mm. Cut out size: 203mm. Installation depth: 91.7mm
	1	£248.16	£248.16	Stereo Extension - Each Stereo Extension adds 2 more amplifier outputs to the Audioserver - giving you a scaleable audio solution.

WEATHER, SHADING & MOTORISED APPLIANCES

	1	£0.00	£0.00	Relay - 230V Blinds - Individual relays required. Typically triggered via a button press, weather, time of day, sunshine direction and voice

POWER & GENERAL EQUIPMENT

	4	£39.60	£158.40	Double sockets with USB's - With the average home now containing a multitude of smart phones, tablets and other devices, there's never been more need for USB ports. Available in a variety of finishes by Schneider
	6	£36.00	£216.00	Downlights - Astro minima recessed or trimless light fititngs, including LED bulbs with 50,000 hours lifespan. Come in warm white or cool white at various light intensities
	2	£12.00	£24.00	Pendant - MK Gloss White Pendant set (L)230mm, can be changed in the future to the Chandlier of your choice

Bedroom 3: £1,057.21

LIGHTING

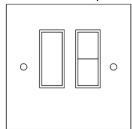|			
	1	£0.00	£0.00	Dimmable circuit - Individual dimmed circuits required. There is 1 dimmer module to every 4 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 dimmer output controls 1 circuit, for example a bedroom with 6 downlights is classified as 1 circuit.
	2	£0.00	£0.00	Relay - Lighting - Individual relays required. There is 1 module to every 14 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 relay controls 1 circuit, for example a bathroom with 4 downlights is classified as 1 circuit.
	1	£40.48	£40.48	2 switches, 2 & 3 position - Typical budget for a contemporary toggle switch switch, use any switch, from any manufacturer in many finshes: E.g Brushed SS, White Metal, etc. Typical use is lights & multiple blinds/window control
	1	£80.26	£80.26	6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling

HEATING & VENTILATION

	1	£8.60	£8.60	Temperature Zone - Embeded sensor, allows any switch to become a thermostat
	1	£0.00	£0.00	Relay - Radiator - Individual relay control for 1 zone, 1 electric thermostatic radiator valve per radiator. Typically triggered via timer, temperature and/or presence

DATA

	1	£29.99	£29.99	TV point (3 Data & 1 Coax) - Euro module insert only, typicaly 1 or 2 cables will be spare for future expansion

AUDIO & VISUAL

	2	£125.66	£251.33	Quadral In-Ceiling 7 Speaker - Wide sound radiation pattern, which means no matter where you are in the room, the sound is everywhere, exceptionally balanced and clear. Designed specifically for use with the Loxone Audioserver. Product dimensions: 232.2 x 95.1mm. Cut out size: 203mm. Installation depth: 91.7mm
	1	£248.16	£248.16	Stereo Extension - Each Stereo Extension adds 2 more amplifier outputs to the Audioserver - giving you a scaleable audio solution.

WEATHER, SHADING & MOTORISED APPLIANCES
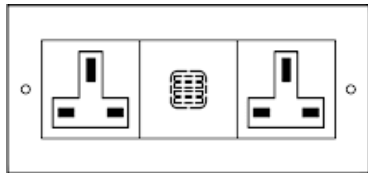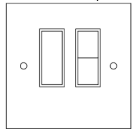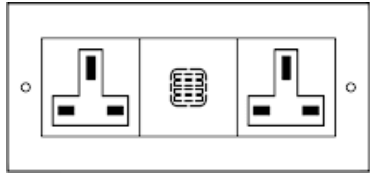

1	£0.00	£0.00	Relay - 230V Blinds - Individual relays required. Typically triggered via a button press, weather, time of day, sunshine direction and voice

POWER & GENERAL EQUIPMENT

4	£39.60	£158.40	Double sockets with USB's - With the average home now containing a multitude of smart phones, tablets and other devices, there's never been more need for USB ports. Available in a variety of finishes by Schneider

6	£36.00	£216.00	Downlights - Astro minima recessed or trimless light fititngs, including LED bulbs with 50,000 hours lifespan. Come in warm white or cool white at various light intensities

2	£12.00	£24.00	Pendant - MK Gloss White Pendant set (L)230mm, can be changed in the future to the Chandlier of your choice

Bathroom 1: £782.09

LIGHTING

2	£0.00	£0.00	Relay - Lighting - Individual relays required. There is 1 module to every 14 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 relay controls 1 circuit, for example a bathroom with 4 downlights is classified as 1 circuit.

1	£22.52	£22.52	1 switch, 2 position - Typical budget allowed for a premium switch, use any switch, from any manufacturer in many finshes: E.g Brushed SS, White Metal, etc. Typical use is lights & all off function, e.g at Entrance switch

	1	£80.26	£80.26	6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling

HEATING & VENTILATION

	1	£8.60	£8.60	Temperature Zone - Embeded sensor, allows any switch to become a thermostat
	1	£0.00	£0.00	Relay - Towel Rail - Individual relay control. Typically triggered via timer, temperature and/or presence
	1	£0.00	£0.00	Relay - Extractor fan control - Individual relays required. There is 1 module to every 8 circuits. Cost shown here is the average cost per output, please see dependencies for more details.

AUDIO & VISUAL

	1	£125.66	£125.66	Quadral In-Ceiling 7 Speaker - Wide sound radiation pattern, which means no matter where you are in the room, the sound is everywhere, exceptionally balanced and clear. Designed specifically for use with the Loxone Audioserver. Product dimensions: 232.2 x 95.1mm. Cut out size: 203mm. Installation depth: 91.7mm
	1	£248.16	£248.16	Stereo Extension - Each Stereo Extension adds 2 more amplifier outputs to the Audioserver - giving you a scaleable audio solution.

POWER & GENERAL EQUIPMENT

	1	£72.48	£72.48	Shaver - Dual Voltage: 115v / 230v, available in a variety of finishes by Schneider
	1	£80.40	£80.40	Extractor Fan - iCON stylish extractor fan range is aesthetically designed low energy fans with a choice of interchangeable iCON modules and coloured covers to match your room and needs.
	4	£36.00	£144.00	Downlights - Astro minima recessed or trimless light fititngs, including LED bulbs with 50,000 hours lifespan. Come in warm white or cool white at various light intensities

Bathroom 2: £782.09
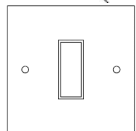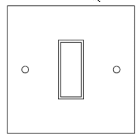
LIGHTING

	2	£0.00	£0.00	Relay - Lighting - Individual relays required. There is 1 module to every 14 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 relay controls 1 circuit, for example a bathroom with 4 downlights is classified as 1 circuit.
	1	£22.52	£22.52	1 switch, 2 position - Typical budget allowed for a premium switch, use any switch, from any manufacturer in many finshes: E.g Brushed SS, White Metal, etc. Typical use is lights & all off function, e.g at Entrance switch
	1	£80.26	£80.26	6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling

HEATING & VENTILATION

	1	£8.60	£8.60	Temperature Zone - Embeded sensor, allows any switch to become a thermostat
	1	£0.00	£0.00	Relay - Towel Rail - Individual relay control. Typically triggered via timer, temperature and/or presence
	1	£0.00	£0.00	Relay - Extractor fan control - Individual relays required. There is 1 module to every 8 circuits. Cost shown here is the average cost per output, please see dependencies for more details.

AUDIO & VISUAL

	1	£125.66	£125.66	Quadral In-Ceiling 7 Speaker - Wide sound radiation pattern, which means no matter where you are in the room, the sound is everywhere, exceptionally balanced and clear. Designed specifically for use with the Loxone Audioserver. Product dimensions: 232.2 x 95.1mm. Cut out size: 203mm. Installation depth: 91.7mm
	1	£248.16	£248.16	Stereo Extension - Each Stereo Extension adds 2 more amplifier outputs to the Audioserver - giving you a scaleable audio solution.

POWER & GENERAL EQUIPMENT

1	£72.48	£72.48	Shaver - Dual Voltage: 115v / 230v, available in a variety of finishes by Schneider
1	£80.40	£80.40	Extractor Fan - iCON stylish extractor fan range is aesthetically designed low energy fans with a choice of interchangeable iCON modules and coloured covers to match your room and needs.
4	£36.00	£144.00	Downlights - Astro minima recessed or trimless light fititngs, including LED bulbs with 50,000 hours lifespan. Come in warm white or cool white at various light intensities

GF Hallway: £536.92

LIGHTING

1	£0.00	£0.00	Relay - Lighting - Individual relays required. There is 1 module to every 14 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 relay controls 1 circuit, for example a bathroom with 4 downlights is classified as 1 circuit.
1	£31.79	£31.79	2 switches, 2 position - Typical budget for premium switch, use any switch, from any manufacturer in many finshes: E.g Brushed SS, White Metal, etc. Typical use is light control multiple areas from one point
1	£80.26	£80.26	6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling

HEATING & VENTILATION

1	£8.60	£8.60	Temperature Zone - Embeded sensor, allows any switch to become a thermostat
1	£12.01	£12.01	Temperature sensor - Floor - Monitor & protect the floor with a probe per zone. We always recommend that the sensor is fit inside a conduit to protect the sensor and to ease retrieval if required.

	1	£0.00	£0.00	Relay - Radiator - Individual relay control for 1 zone, 1 electric thermostatic radiator valve per radiator. Typically triggered via timer, temperature and/or presence

GENERAL AUTOMATION

	1	£106.66	£106.66	Flush Mounted Presence Sensor - Used to detect motion and brightness. As one of the most important sensors in the smart home, it provides information for useful features like alarms, lighting and energy saving. Comes in black or white.

DATA

	1	£114.00	£114.00	Ubiquity U6 Lite WiFi Access Point - Used to extend the WiFi in your home into 1 seemless large & robust network

POWER & GENERAL EQUIPMENT

	1	£39.60	£39.60	Double sockets with USB's - With the average home now containing a multitude of smart phones, tablets and other devices, there's never been more need for USB ports. Available in a variety of finishes by Schneider
	4	£36.00	£144.00	Downlights - Astro minima recessed or trimless light fititngs, including LED bulbs with 50,000 hours lifespan. Come in warm white or cool white at various light intensities

First Floor Landing: £536.92

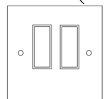**LIGHTING**

	1	£0.00	£0.00	Relay - Lighting - Individual relays required. There is 1 module to every 14 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 relay controls 1 circuit, for example a bathroom with 4 downlights is classified as 1 circuit.

| | 1 | £31.79 | £31.79 | 2 switches, 2 position - Typical budget for premium switch, use any switch, from any manufacturer in many finshes: E.g Brushed SS, White Metal, etc. Typical use is light control multiple areas from one point |

| | 1 | £80.26 | £80.26 | 6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling |

HEATING & VENTILATION

| | 1 | £8.60 | £8.60 | Temperature Zone - Embeded sensor, allows any switch to become a thermostat |

| | 1 | £12.01 | £12.01 | Temperature sensor - Floor - Monitor & protect the floor with a probe per zone. We always recommend that the sensor is fit inside a conduit to protect the sensor and to ease retrieval if required. |

| | 1 | £0.00 | £0.00 | Relay - Radiator - Individual relay control for 1 zone, 1 electric thermostatic radiator valve per radiator. Typically triggered via timer, temperature and/or presence |

GENERAL AUTOMATION

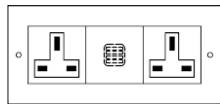| | 1 | £106.66 | £106.66 | Flush Mounted Presence Sensor - Used to detect motion and brightness. As one of the most important sensors in the smart home, it provides information for useful features like alarms, lighting and energy saving. Comes in black or white. |

DATA

| | 1 | £114.00 | £114.00 | Ubiquity U6 Lite WiFi Access Point - Used to extend the WiFi in your home into 1 seemless large & robust network |

POWER & GENERAL EQUIPMENT

| | 1 | £39.60 | £39.60 | Double sockets with USB's - With the average home now containing a multitude of smart phones, tablets and other devices, there's never been more need for USB ports. Available in a variety of finishes by Schneider |

| | 4 | £36.00 | £144.00 | Downlights - Astro minima recessed or trimless light fititngs, including LED bulbs with 50,000 hours lifespan. Come in warm white or cool white at various light intensities |

Utility: £599.64
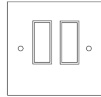
LIGHTING

	1	£0.00	£0.00	Relay - Lighting - Individual relays required. There is 1 module to every 14 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 relay controls 1 circuit, for example a bathroom with 4 downlights is classified as 1 circuit.
	1	£22.52	£22.52	1 switch, 2 position - Typical budget allowed for a premium switch, use any switch, from any manufacturer in many finshes: E.g Brushed SS, White Metal, etc. Typical use is lights & all off function, e.g at Entrance switch
	1	£80.26	£80.26	6 Digital Inputs - The Nano DI Tree fits easily into any back box - making it easier to use third-party switches and sensors but leveraging the Loxone Tree network to reduce cabling

HEATING & VENTILATION

	1	£8.60	£8.60	Temperature Zone - Embeded sensor, allows any switch to become a thermostat
	1	£0.00	£0.00	Relay - Radiator - Individual relay control for 1 zone, 1 electric thermostatic radiator valve per radiator. Typically triggered via timer, temperature and/or presence
	1	£0.00	£0.00	Relay - Extractor fan control - Individual relays required. There is 1 module to every 8 circuits. Cost shown here is the average cost per output, please see dependencies for more details.

GENERAL AUTOMATION

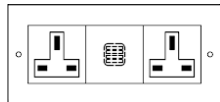|				
	1	£106.66	£106.66	Flush Mounted Presence Sensor - Used to detect motion and brightness. As one of the most important sensors in the smart home, it provides information for useful features like alarms, lighting and energy saving. Comes in black or white.

POWER & GENERAL EQUIPMENT

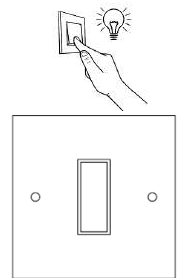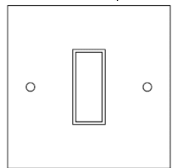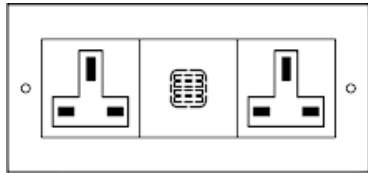|			
6	£39.60	£237.60	Double sockets with USB's - With the average home now containing a multitude of smart phones, tablets and other devices, there's never been more need for USB ports. Available in a variety of finishes by Schneider
4	£36.00	£144.00	Downlights - Astro minima recessed or trimless light fititngs, including LED bulbs with 50,000 hours lifespan. Come in warm white or cool white at various light intensities

Garden: £244.26

LIGHTING

1	£0.00	£0.00	Relay - Lighting - Individual relays required. There is 1 module to every 14 circuits. Cost shown here is the average cost per output, please see dependencies for more details. 1 relay controls 1 circuit, for example a bathroom with 4 downlights is classified as 1 circuit.

SECURITY

1	£162.66	£162.66	Dahua CCTV Camera - This camera comes in many shames, sizes and form factors. Choice of a dark grey colour or white.

POWER & GENERAL EQUIPMENT

1	£36.00	£36.00	External flood lights/Flurorescent - Budget proposal only for external LED flood light.
1	£45.60	£45.60	External socket - Weatherproof and dust-tight 13A socket. Manufactured from robust, impact-resistant polycarbonate with multiple gland entry positions. Double pole switching.

All Manifolds & Wiring Centre: £0.00

HEATING & VENTILATION

	1	£0.00	£0.00	Power Supply Heating/Manifolds - Power Supply to all Manifolds

All Manifolds: £0.00

HEATING & VENTILATION

	1	£0.00	£0.00	Power Supply Heating/Manifolds - Power Supply to all Manifolds

Boiler Wiring Centre: £0.00

HEATING & VENTILATION
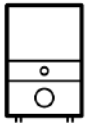
	1	£0.00	£0.00	Boiler Wiring Centre - Zone Valves & Power to Panel - Individual relay control for x2 2/3 port valves alongside feed back to panel to ensure all heating is on 1 circuit. Typically triggered via 1 more zone demand

Front Of House: £45.60

ACCESS CONTROL

	1	£0.00	£0.00	Relay - Door Release - Individual relays required. Typically triggered via a fob, keypad, button press or voice

POWER & GENERAL EQUIPMENT

	1	£45.60	£45.60	External socket - Weatherproof and dust-tight 13A socket. Manufactured from robust, impact-resistant polycarbonate with multiple gland entry positions. Double pole switching.

Plant Room: £598.80

POWER & GENERAL EQUIPMENT

	1	£598.80	£598.80	Schneider DB - Consumer unit for the entire property

Plant Room: £9,593.42

AUTOMATION EQUIPMENT & PANELS + SUNDRIES

	1	£642.05	£642.05	Miniserver Gen 2 - The brain of your Loxone system and can look after everything around the house, from simple lighting to intelligent zoned heating control
	2	£451.97	£903.93	Dimmer Extentions - With the Loxone Dimmer Extension you can dim all types of lights including LEDs. Simple!
	3	£330.53	£991.58	Relay Extentions (+14 Relays) - Expand your Loxone system with 14 hefty 16A relays to switch even the biggest loads with ease.

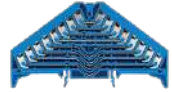|				
	2	£181.63	£363.26	1 Wire - Use 1-Wire sensors as part of your Loxone system as they are very cost effective for installations with large numbers of sensors
	1	£67.58	£67.58	24V Power Supply (4.2A) - DIN rail mounted power supply from TDK-Lambda
	1	£157.34	£157.34	10A Power Supply - DIN rail mounted power supply from TDK-Lambda
	1	£5.99	£5.99	MCB - For independant isolation of individual circuits. Better segregation of circuits lead to minimum disruption in the event of a fault
	6	£58.61	£351.65	RCBO - RCBO for segregated additonal protection
	1	£27.08	£27.08	100a Isolator - For opening and closing circuits under load. For disconnection of on-load electrical circuits already protected against overloads and short-circuits
	1	£550.00	£550.00	5 Din Rail Automation Panel - Elegant panel hand crafted by Future Automation - Product Dimensions: 1125mm (44.3") x 690mm (27.2") x 141.5mm (5.6")
	1	£100.00	£100.00	Prefab Panel Cabling - Internal cable used in the building of your Automation panel
	1	£215.42	£215.42	3 Port Terminal For 3 Core + CPC Cable (50 PCS) - 3 Core & Earth Terminal, perfect for connecting blinds, curtain or garage door motors
	1	£115.10	£115.10	Push In Terminal Block, Twin + CPC (50 PCS) - Twin & Earth Terminal for 230V circuits

	1	£220.71	£220.71	Push In Terminal Block 8 X 4, Interconnected (20 PCS) - 8 Layer Interconnected Terminal Block, perfect for 24V distribution & 1-Wire
	1	£209.09	£209.09	Push In Terminal Block 8 X 4, Seperated (20 PCS) - 8 Layer Terminal Block, perfect for connecting sensors
	1	£495.26	£495.26	Audioserver - Flexible audio solution for any building, compact form factor with impressive performance and containing 4 amplifier outputs.
	1	£2,122.40	£2,122.40	1st fix cable infrastructure - Estimate for structured cabling. Can be supplied by others.

RACK EQUIPMENT

	1	£574.95	£574.95	Draytek Network Switch 24 Port POE (P2280X) - The VigorSwitch P2280x is a high performance L2+ managed Gigabit ethernet switch. With 24 PoE+ (Power over Ethernet) RJ-45 LAN ports and 4 10 Gigabit ethernet SFP+ ports for high bandwidth uplinks to servers, network attached storage and switches.
	1	£590.00	£590.00	Sanus CFR Series Enclosed Rack 15U - 600 X 600 X 15U Rack for housing all Network & AV equipment
	1	£297.56	£297.56	Draytek Router - DrayTek Routers provide business-grade features including VPN, firewall, content filtering, and bandwidth management, are an integrated network solution for home and business
	1	£102.00	£102.00	Rack roof fans - Ideal for all floorstanding general purpose and server-style cabinets and enclosures, up to 1000mm in cabinet depth. Keeps all your networks and AV equipment cool
	2	£46.80	£93.60	6 way PDU - Rack Power Distribution Unit with BS 1363 UK Sockets and UK Plug Input - comes with surge Protection inbuilt

	3	£6.00	£18.00	1U Blank Plate - 1U blank plate. For use in all types of standard rack/server cabinets for aestethics
	2	£18.00	£36.00	1U Brush Plate - 1U Brush Strip cable management panel. For use in all types of standard rack/server cabinets
	1	£342.86	£342.86	Dahua NVR - Video recorder connected to your network that records video footage from the IP cameras also connected to that network.

SPECIALIST LABOUR

DESCRIPTION	PRICE	LABOUR DESCRIPTION
OPTIONAL 1 YEAR CLIENT CARE PACKAGE (GOLD)	£839.88	The maintenance cost proposal is largely based on response time and the degree of physical support available. Irrespective of the size/complexity of your project our prices are designed to fit all needs and budgets. Response times outside our care packages are typically 10 – 20 working days. See more here: https://jsjelec.com/jsj-client-care-package-signup
INITIAL PROJECT DESIGN	£2,072.70	Project design is an early phase of the project where the project's key features are assessed to ensure integration with the rest of the property.
PROJECT MANAGEMENT	£1,470.00	Communicate with all trades to achieve all project goals within the given constraints to facillitate the process and ensuring that primary constraints are scope, time, and budget.
SITE VISITS (OVERSEEING INSTALLERS)	£900.00	Time required to ensure that things are progressing onsite as expected.

	RACK - (PREFABRICATION OFF SITE)	£1,017.83

Your entire network will be prebuilt and configured in our workshop and go through our quality assurance process.

	RACK - INSTALLATION (ON SITE)	£1,017.83

Installation of your Data/AV rack onsite, this is where all the network based CAT cables will connect into.

	HA PANEL - PREFABRICATION (OFF SITE)	£2,940.00

Your entire home automation panel which is the brain for your home will will be prebuilt and configured in our workshop within a controlled environment. All peripheral items will also be setup offsite to ensure time on site is minimised and hence controlled

	HA PANEL - INSTALLATION - (ON SITE)	£2,425.50

Installation of your home automation panel onsite, essentially connecting the backbone infrastructure cabling of the house into your Loxone panel.

	PROGRAMING & COMISSIONING	£1,470.00

Planning, documenting, scheduling, adjusting and verifying to provide a facility that operates as a fully functional system per the Owner's Project Requirements.

	CLIENT TRAINING & OWNERS MANUAL	£294.00

The operation and maintenance (O&M) manual is a detailed document containing the instructions to manage and maintain the smart home/property. It details what each component that you have to interact with can/will do

	TESTING & COMMISSIONING	£300.00

Functional checks: ensuring that all systems and components of the building management systems (BMS) are designed, installed and tested according to the operational requirements of the owner or final client.

Total = £46435.44 Ex VAT

CCT NO.	CABLE TYPE	FROM LOCATION	TO LOCATION	DEVICE
DIM-1	1.5MM T&E	LOXONE HUB	Kitchen	Dimmable circuit
DIM-2	1.5MM T&E	LOXONE HUB	Dining	Dimmable circuit
DIM-3	1.5MM T&E	LOXONE HUB	Living	Dimmable circuit
DIM-4	1.5MM T&E	LOXONE HUB	Master Bedroom	Dimmable circuit
DIM-5	1.5MM T&E	LOXONE HUB	Bedroom 2	Dimmable circuit
DIM-6	1.5MM T&E	LOXONE HUB	Bedroom 3	Dimmable circuit
SW-1	1.5MM T&E	LOXONE HUB	Kitchen	Relay - Lighting
SW-2	1.5MM T&E	LOXONE HUB	Master Bedroom	Relay - Lighting
SW-3	1.5MM T&E	LOXONE HUB	Master Bedroom	Relay - Lighting
SW-4	1.5MM T&E	LOXONE HUB	Bedroom 2	Relay - Lighting
SW-5	1.5MM T&E	LOXONE HUB	Bedroom 2	Relay - Lighting
SW-6	1.5MM T&E	LOXONE HUB	Bedroom 3	Relay - Lighting
SW-7	1.5MM T&E	LOXONE HUB	Bedroom 3	Relay - Lighting
SW-8	1.5MM T&E	LOXONE HUB	Bathroom 1	Relay - Lighting
SW-9	1.5MM T&E	LOXONE HUB	Bathroom 1	Relay - Lighting
SW-10	1.5MM T&E	LOXONE HUB	Bathroom 2	Relay - Lighting
SW-11	1.5MM T&E	LOXONE HUB	Bathroom 2	Relay - Lighting
SW-12	1.5MM T&E	LOXONE HUB	GF Hallway	Relay - Lighting
SW-13	1.5MM T&E	LOXONE HUB	First Floor Landing	Relay - Lighting
SW-14	1.5MM T&E	LOXONE HUB	Utility	Relay - Lighting
SW-15	1.5MM T&E	LOXONE HUB	Garden	Relay - Lighting
PB1-1	CAT 7 - EXTENDED STAR	LOXONE HUB	Kitchen	1 switch, 2 position
PB1-2			Dining	1 switch, 2 position
PB1-3			Bathroom 1	1 switch, 2 position
PB1-4			Bathroom 2	1 switch, 2 position
PB1-5			Utility	1 switch, 2 position
PB2-1			GF Hallway	2 switches, 2 position
PB2-2			First Floor Landing	2 switches, 2 position
PB2T1-1			Living	2 switches, 2 & 3 position
PB2T1-2			Master Bedroom	2 switches, 2 & 3 position
PB2T1-3			Bedroom 2	2 switches, 2 & 3 position
PB2T1-4			Bedroom 3	2 switches, 2 & 3 position
TEMP-1	CAT 5E FTP - BUS	LOXONE HUB	Kitchen	Temperature Zone 1-WIRE BUS (SCREENED/SHIELDED)
TEMP-2			Dining	Temperature Zone 1-WIRE BUS (SCREENED/SHIELDED)
TEMP-3			Living	Temperature Zone 1-WIRE BUS (SCREENED/SHIELDED)
TEMP-4			Master Bedroom	Temperature Zone 1-WIRE BUS (SCREENED/SHIELDED)
TEMP-5			Bedroom 2	Temperature Zone 1-WIRE BUS (SCREENED/SHIELDED)
TEMP-6			Bedroom 3	Temperature Zone 1-WIRE BUS (SCREENED/SHIELDED)
TEMP-7			Bathroom 1	Temperature Zone 1-WIRE BUS (SCREENED/SHIELDED)
TEMP-8			Bathroom 2	Temperature Zone 1-WIRE BUS (SCREENED/SHIELDED)
TEMP-9			GF Hallway	Temperature Zone 1-WIRE BUS (SCREENED/SHIELDED)
TEMP-10			First Floor Landing	Temperature Zone 1-WIRE BUS (SCREENED/SHIELDED)
TEMP-11			Utility	Temperature Zone 1-WIRE BUS (SCREENED/SHIELDED)
FTEMP-1			GF Hallway	Temperature sensor - Floor 1-WIRE BUS (SCREENED/SHIELDED)
FTEMP-2			First Floor Landing	Temperature sensor - Floor 1-WIRE BUS (SCREENED/SHIELDED)
RAD-1	1.5MM T&E	LOXONE HUB	Kitchen	Relay - Radiator - See JSJ heating control drawings (Assume X1 5 Core Flex Per 4 Zones Per Manifold)
RAD-2	1.5MM T&E	LOXONE HUB	Dining	Relay - Radiator - See JSJ heating control drawings (Assume X1 5 Core Flex Per 4 Zones Per Manifold)
RAD-3	1.5MM T&E	LOXONE HUB	Living	Relay - Radiator - See JSJ heating control drawings (Assume X1 5 Core Flex Per 4 Zones Per Manifold)
RAD-4	1.5MM T&E	LOXONE HUB	Master Bedroom	Relay - Radiator - See JSJ heating control drawings (Assume X1 5 Core Flex Per 4 Zones Per Manifold)
RAD-5	1.5MM T&E	LOXONE HUB	Bedroom 2	Relay - Radiator - See JSJ heating control drawings (Assume X1 5 Core Flex Per 4 Zones Per Manifold)
RAD-6	1.5MM T&E	LOXONE HUB	Bedroom 3	Relay - Radiator - See JSJ heating control drawings (Assume X1 5 Core Flex Per 4 Zones Per Manifold)
RAD-7	1.5MM T&E	LOXONE HUB	GF Hallway	Relay - Radiator - See JSJ heating control drawings (Assume X1 5 Core Flex Per 4 Zones Per Manifold)
RAD-8	1.5MM T&E	LOXONE HUB	First Floor Landing	Relay - Radiator - See JSJ heating control drawings (Assume X1 5 Core Flex Per 4 Zones Per Manifold)

RAD-9	1.5MM T&E	LOXONE HUB	Utility	Relay - Radiator - See JSJ heating control drawings (Assume X1 5 Core Flex Per 4 Zones Per Manifold)
TR-1	2.5MM T&E	LOXONE HUB	Bathroom 1	Relay - Towel Rail
TR-2	2.5MM T&E	LOXONE HUB	Bathroom 2	Relay - Towel Rail
FAN-1	1.5MM 3 CORE + CPC	LOXONE HUB	Kitchen	Relay - Extractor fan control
FAN-2	1.5MM 3 CORE + CPC	LOXONE HUB	Bathroom 1	Relay - Extractor fan control
FAN-3	1.5MM 3 CORE + CPC	LOXONE HUB	Bathroom 2	Relay - Extractor fan control
FAN-4	1.5MM 3 CORE + CPC	LOXONE HUB	Utility	Relay - Extractor fan control
BLR-CTRLS-1	5 CORE FLEX 0.75MM	LOXONE HUB	Boiler Wiring Centre	Boiler Wiring Centre - Zone Valves & Power to Panel - Hotwater Valve, Dining CH Valve (Wiring Center) + Feed to Loxone
PWR-1	2.5MM T&E	LOXONE HUB	All Manifolds & Wiring Centre	Power Supply Heating/Manifolds - Radial to all manifolds & wiring centre
PWR-2	2.5MM T&E	LOXONE HUB	All Manifolds	Power Supply Heating/Manifolds - Radial to all manifolds & wiring centre
CCTV-1	CAT 6	DATA RACK	Garden	Dahua CCTV Camera
DR-1	8 CORE ALARM CABLE	LOXONE HUB	Front Of House	Relay - Door Release
MS-F-1			Kitchen	Flush Mounted Presence Sensor (TREE/STAR TOPOLOGY)
MS-F-2			Dining	Flush Mounted Presence Sensor (TREE/STAR TOPOLOGY)
MS-F-3	CAT 7 - EXTENDED STAR	LOXONE HUB	Living	Flush Mounted Presence Sensor (TREE/STAR TOPOLOGY)
MS-F-4			GF Hallway	Flush Mounted Presence Sensor (TREE/STAR TOPOLOGY)
MS-F-5			First Floor Landing	Flush Mounted Presence Sensor (TREE/STAR TOPOLOGY)
MS-F-6			Utility	Flush Mounted Presence Sensor (TREE/STAR TOPOLOGY)
TV-1	HA4 CABLE	RACK	Kitchen	TV point (3 Data & 1 Coax) AT LEAST 1 CAT 6A
TV-2	HA4 CABLE	RACK	Living	TV point (3 Data & 1 Coax) AT LEAST 1 CAT 6A
TV-3	HA4 CABLE	RACK	Master Bedroom	TV point (3 Data & 1 Coax) AT LEAST 1 CAT 6A
TV-4	HA4 CABLE	RACK	Bedroom 2	TV point (3 Data & 1 Coax) AT LEAST 1 CAT 6A
TV-5	HA4 CABLE	RACK	Bedroom 3	TV point (3 Data & 1 Coax) AT LEAST 1 CAT 6A
AP-1	CAT 6	DATA RACK	Kitchen	Ubiquity U6 Lite WiFi Access Point
AP-2	CAT 6	DATA RACK	GF Hallway	Ubiquity U6 Lite WiFi Access Point
AP-3	CAT 6	DATA RACK	First Floor Landing	Ubiquity U6 Lite WiFi Access Point
QDRAL-1	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Kitchen	Quadral In-Ceiling 7 Speaker
QDRAL-2	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Kitchen	Quadral In-Ceiling 7 Speaker
QDRAL-3	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Dining	Quadral In-Ceiling 7 Speaker
QDRAL-4	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Dining	Quadral In-Ceiling 7 Speaker
QDRAL-5	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Living	Quadral In-Ceiling 7 Speaker
QDRAL-6	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Living	Quadral In-Ceiling 7 Speaker
QDRAL-7	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Master Bedroom	Quadral In-Ceiling 7 Speaker
QDRAL-8	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Master Bedroom	Quadral In-Ceiling 7 Speaker
QDRAL-9	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Bedroom 2	Quadral In-Ceiling 7 Speaker
QDRAL-10	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Bedroom 2	Quadral In-Ceiling 7 Speaker
QDRAL-11	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Bedroom 3	Quadral In-Ceiling 7 Speaker
QDRAL-12	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Bedroom 3	Quadral In-Ceiling 7 Speaker
QDRAL-13	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Bathroom 1	Quadral In-Ceiling 7 Speaker
QDRAL-14	SCP 14/2 SPEAKER CABLE OFC LSZH	LOXONE HUB	Bathroom 2	Quadral In-Ceiling 7 Speaker
STE-ION-1	TREE Cable	LOXONE HUB	Kitchen	Stereo Extension
STE-ION-2	TREE Cable	LOXONE HUB	Living	Stereo Extension
STE-ION-3	TREE Cable	LOXONE HUB	Master Bedroom	Stereo Extension
STE-ION-4	TREE Cable	LOXONE HUB	Bedroom 2	Stereo Extension
STE-ION-5	TREE Cable	LOXONE HUB	Bedroom 3	Stereo Extension
STE-ION-6	TREE Cable	LOXONE HUB	Bathroom 1	Stereo Extension
STE-ION-7	TREE Cable	LOXONE HUB	Bathroom 2	Stereo Extension
BLD-1	4 CORE FLEX 0.75MM	LOXONE HUB	Dining	Relay - 230V Blinds
BLD-2	4 CORE FLEX 0.75MM	LOXONE HUB	Living	Relay - 230V Blinds
BLD-3	4 CORE FLEX 0.75MM	LOXONE HUB	Master Bedroom	Relay - 230V Blinds
BLD-4	4 CORE FLEX 0.75MM	LOXONE HUB	Bedroom 2	Relay - 230V Blinds
BLD-5	4 CORE FLEX 0.75MM	LOXONE HUB	Bedroom 3	Relay - 230V Blinds
PWR-USBDSO-1	2.5MM T&E	DB	Kitchen	Double sockets with USB's
PWR-USBDSO-2	2.5MM T&E	DB	Kitchen	Double sockets with USB's

PWR-USBDSO-3	2.5MM T&E	DB	Kitchen	Double sockets with USB's
PWR-USBDSO-4	2.5MM T&E	DB	Kitchen	Double sockets with USB's
PWR-USBDSO-5	2.5MM T&E	DB	Kitchen	Double sockets with USB's
PWR-USBDSO-6	2.5MM T&E	DB	Dining	Double sockets with USB's
PWR-USBDSO-7	2.5MM T&E	DB	Dining	Double sockets with USB's
PWR-USBDSO-8	2.5MM T&E	DB	Dining	Double sockets with USB's
PWR-USBDSO-9	2.5MM T&E	DB	Dining	Double sockets with USB's
PWR-USBDSO-10	2.5MM T&E	DB	Dining	Double sockets with USB's
PWR-USBDSO-11	2.5MM T&E	DB	Living	Double sockets with USB's
PWR-USBDSO-12	2.5MM T&E	DB	Living	Double sockets with USB's
PWR-USBDSO-13	2.5MM T&E	DB	Living	Double sockets with USB's
PWR-USBDSO-14	2.5MM T&E	DB	Living	Double sockets with USB's
PWR-USBDSO-15	2.5MM T&E	DB	Living	Double sockets with USB's
PWR-USBDSO-16	2.5MM T&E	DB	Master Bedroom	Double sockets with USB's
PWR-USBDSO-17	2.5MM T&E	DB	Master Bedroom	Double sockets with USB's
PWR-USBDSO-18	2.5MM T&E	DB	Master Bedroom	Double sockets with USB's
PWR-USBDSO-19	2.5MM T&E	DB	Master Bedroom	Double sockets with USB's
PWR-USBDSO-20	2.5MM T&E	DB	Bedroom 2	Double sockets with USB's
PWR-USBDSO-21	2.5MM T&E	DB	Bedroom 2	Double sockets with USB's
PWR-USBDSO-22	2.5MM T&E	DB	Bedroom 2	Double sockets with USB's
PWR-USBDSO-23	2.5MM T&E	DB	Bedroom 2	Double sockets with USB's
PWR-USBDSO-24	2.5MM T&E	DB	Bedroom 3	Double sockets with USB's
PWR-USBDSO-25	2.5MM T&E	DB	Bedroom 3	Double sockets with USB's
PWR-USBDSO-26	2.5MM T&E	DB	Bedroom 3	Double sockets with USB's
PWR-USBDSO-27	2.5MM T&E	DB	Bedroom 3	Double sockets with USB's
PWR-USBDSO-28	2.5MM T&E	DB	GF Hallway	Double sockets with USB's
PWR-USBDSO-29	2.5MM T&E	DB	First Floor Landing	Double sockets with USB's
PWR-USBDSO-30	2.5MM T&E	DB	Utility	Double sockets with USB's
PWR-USBDSO-31	2.5MM T&E	DB	Utility	Double sockets with USB's
PWR-USBDSO-32	2.5MM T&E	DB	Utility	Double sockets with USB's
PWR-USBDSO-33	2.5MM T&E	DB	Utility	Double sockets with USB's
PWR-USBDSO-34	2.5MM T&E	DB	Utility	Double sockets with USB's
PWR-USBDSO-35	2.5MM T&E	DB	Utility	Double sockets with USB's
SHA-VER-1	2.5MM T&E	DB	Bathroom 1	Shaver
SHA-VER-2	2.5MM T&E	DB	Bathroom 2	Shaver
ICO-AN -1	1.5MM 3 CORE + CPC	DB	Bathroom 1	Extractor Fan
ICO-AN -2	1.5MM 3 CORE + CPC	DB	Bathroom 2	Extractor Fan
EXT-KET-1	2.5MM T&E	DB	Garden	External socket
EXT-KET-2	2.5MM T&E	DB	Front Of House	External socket
KIT-TCH-1	2.5MM T&E	DB	Kitchen	Kitchen Grid Switch
FUS-EN)-1	2.5MM T&E	DB	Kitchen	Fused Spur/Socket (Hidden)
FUS-EN)-2	2.5MM T&E	DB	Kitchen	Fused Spur/Socket (Hidden)
FUS-EN)-3	2.5MM T&E	DB	Kitchen	Fused Spur/Socket (Hidden)
FUS-EN)-4	2.5MM T&E	DB	Kitchen	Fused Spur/Socket (Hidden)
FUS-EN)-5	2.5MM T&E	DB	Kitchen	Fused Spur/Socket (Hidden)
FUS-EN)-6	2.5MM T&E	DB	Kitchen	Fused Spur/Socket (Hidden)
FUS-EN)-7	2.5MM T&E	DB	Kitchen	Fused Spur/Socket (Hidden)
FUS-EN)-8	2.5MM T&E	DB	Kitchen	Fused Spur/Socket (Hidden)