



INSTALLATION GUIDE

Electrical & Data Installation





Understanding your electrical and data installation

This document is intended to give you, our client, all the information we can about our electrical and data installation.

We define the electrical and data installation as the connection of mains electric and data from your house to your garden room.

The internal electrical fittings within your garden room is part of our product, so is not referenced in this document. Nor is this at any point referring to wireless connectivity within your garden room.

Although we have tried as far as possible to standardise this process, we know that each job is unique and no two projects will ever have exactly the same requirement for electrical and data installation.





Our standard electrical and data installation quote price

Our standard electrical and data installation price is £950 inclusive of VAT.

This price is pending a survey and is correct in >75% of installations.

The things that may cause this price to increase are:

- [1] Cable runs of more than 30m
- [2] Complex or awkward cable runs that result in an installation taking more than 1 day
- [3] In larger buildings or builds with AC we will need to get access direct to a consumer unit. This can add on significant time to the installation
- [4] Data cable needing to come from a router not a booster can create complicated cable runs.





What does our quote cover?

The quote you have been provided will cover as standard all of the following:

- [1] Mains connection using a suitable exterior rated SWA (steel wire armoured) cable from either your mains consumer unit, spurred from a suitable socket or cable, or from an existing secondary fuse board such as in a garage or outhouse to the consumer unit installed on your new garden room.
- [2] This installation will include adding a spur and/or junction box if required, or the appropriate MCB (miniature circuit breaker) if coming directly from a consumer unit. *1
- [3] Cable routing will be via the most direct or simple route, or via a prearranged route agreed with you, our client, prior to installation.
- [4] Cables will be clipped neatly where visible and appropriate, or buried at a suitable depth to conform to regulations where necessary.
- [5] Getting the data to the Little Green Rooms is usually performed with a wireless connection through the house, and hard wired externally. Alternatively, we can wire directly from your existing router if the access is easy. The wireless connection through the house is made via a mesh node, which will connect to your current supply. We can provide this node, or if you already have a mesh network system, you can supply the node. The node needs to be plugged into a 13amp socket. *2
- [6] The external data connection is usually run in the same SWA as the power. If not, we will use a suitable exterior grade CAT 5E cable.
- [7] The data connection will be terminated in your new garden room into a RJ45 data port.
- [8] We will test the data connection in your Little Green Room is active. However, we are not responsible for wireless data connection within your garden room. You will need to supply the WAP (wireless access point) to provide WIFI in the room *3



Installation

PRE-AGREED

What will be pre-agreed prior to your installation day?

- [1] Whether your mains feed will be coming from your consumer unit, spurred off a socket, from a secondary consumer unit or other.
- [2] The assumed route your SWA cable will take from source to garden room.
- [3] Whether your data will be taken direct from router or from an internal booster. *2
- [4] The assumed route your data cable will take from source to garden room.
- [5] Where the consumer unit on your garden room will be situated.

AGREED ON THE DAY

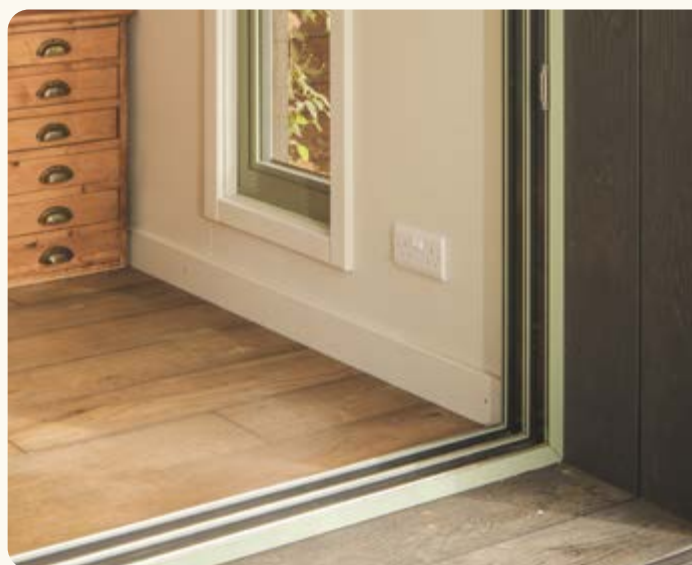
What will be agreed with the electrician on the day of installation?

- [1] Exact cable routing, location and methods.
- [2] Internal/external spur location and type.
- [3] External lighting heights and precise locations.

NOT COVERED

What is NOT within covered within this?

- [1] While great care will be taken to minimise any damage, making good of any plaster, masonry, tiles or paintwork will be the responsibility of the client.
- [2] Care will be taken to minimise damage or disruption when routing cables, however any making good required inside or out as a result of cable routing will be the responsibility of the client.
- [3] Modifying any existing electrical work.
- [4] Wireless connectivity within garden room. Any wireless connectivity within the garden room is the responsibility of the client NOT Little Green Rooms. *3





Electrical Equipment

Please see information below on the type of electrical equipment we use as standard on our installations:

- [1] All cables will be specified and installed as per regulations
- [2] All standard white electrical points will be Click Mode, BG, or similar quality brand
- [3] We wire all buildings up to an IP65 rated consumer unit mounted either externally or within a storage section of a building.
- [4] All premium electrical points will be BG Screwless or similar.
- [5] Our standard heater is a WIFI thermostat-controlled panel heater by ADAX.
- [6] Our track lighting is by Knightsbridge electrical.
- [7] If we are using an internal WIFI booster.
- [8] All of our electrical installations are tested post installation. You will receive an electrical test certificate from either the NECEIC or NAPIT with the test results from your installation within 30 days of project completion.





Aftercare, Troubleshooting & Useful Information

- If there are any concerns, questions or feedback, please contact your Project Manager and they will hopefully be able to help with your enquiry.
- If there is no power to your garden room, please first check the consumer unit on your garden room to check all the MCBs and main switch are in the 'on' position.
- Please also confirm the isolator to your garden room is on, and the fuse supplying power is on.
- If there are issues with some of the lights not turning on, please check the light is correctly clicked into the track and the bulb is working.
- If you do not seem to be receiving internet connection via the RJ45 port in your garden room, please try connecting directly into a computer using an ethernet cable to confirm there is connection before troubleshooting wireless connections.
- If there is internet connectivity to your garden room, but you are having issues with wireless connectivity, please contact your network provider or the manufacturer of the wireless device you are trying to connect to.
- If there are any other issues with lighting, sockets or internet connectivity to your garden room, please get in touch with your Project Manager and they will assist.
 - *1 – LGR will supply a fused spur if one is required for the installation. This will be a standard white switch. If the client wants this switch to match the existing socket brand/colour and style it is the client's responsibility to source this in readiness for the installation.
 - *2 – If a WIFI booster is required as the source for the data connection to your garden room. LGR will carry out a speed test prior to installation to confirm the estimated speed of connection in the garden room once made. If this speed is not to the client's satisfaction and it is deemed necessary to source the cable at the existing router, there may be a quote variation to allow for the extra work.
 - *3 – If you require a contractor to undertake a turnkey wireless network data connection, we can recommend a company called Skybell Communications to undertake this work. This is not something Little Green Rooms provides.

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