

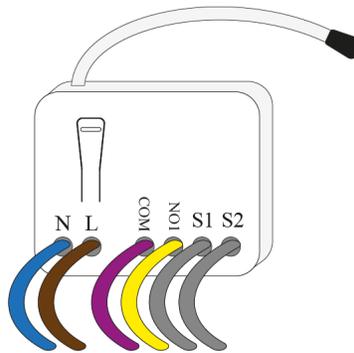
What are Electric Relays?

Overview

This is both a switching device and a signal boosting device. It can be used in place of either the Single Channel Receiver or Electric Switch, depending on the scenario.

Similar to the Electric Switch, the Electric Relay is installed inside a pattress, making it a discrete device, and easy to install either in a room or next to a underfloor manifold and wiring centre.

Each Genius Hub system uses a number of signal boosting devices, such as the Smart Plugs to make the system work reliably, and increasing the life of the battery powered devices by providing easy lines of communication back to the Genius Hub. As an additional function, the Electric Relay will also boost the communication network nearby.



Electric Switch vs Electric Relay vs Single Channel Receiver

	Electric Switch	Electric Relay	Single Channel Receiver
Power Supply	Mains powered	Mains powered	Mains powered
Installation	<p>Are wired after a fused spur, normally next to the boiler/underfloor wiring centre/electric heater</p> <p>Fit into a standard pattress for either flush/surface mount</p>	<p>Are wired after a fused spur, normally next to the underfloor wiring centre/electric heater</p> <p>Fit into a standard pattress for either flush /surface mount, behind a blanking plate</p>	<p>Are wired after a fused spur, normally next to the boiler/underfloor wiring centre</p> <p>Use the universal backplate, to replace most thermostat/wireless receivers</p>
Wiring options	<p>Switch mains-voltage (230v) only</p> <p>Can switch up to 13A</p>	<p>Volt-free switching</p> <p>Can switch up to 11A</p>	<p>Volt-free switching</p> <p>Can switch up to 3A</p>
Typical uses	<ul style="list-style-type: none"> • Zone Valves • Circulation Pumps • Electric Heaters • Wet Underfloor Heating • Immersion Heaters (see below) 	<ul style="list-style-type: none"> • Circulation Pumps • Electric Heaters • Wet Underfloor Heating • AC/HVAC 	<ul style="list-style-type: none"> • Combi Boiler • Zone Valves • 12/24v Wet underfloor heating
Secondary Function	Can have a temperature probe wired to measure the temperature of a hot water tank.	None	None
Interaction	Anyone can press the button on the front plug to trigger a timed override	None possible, are enclosed behind a blanking plate which makes them tamper-proof	Anyone can press the button on the front plug to trigger a timed override

Further Information

- [Shop](#)
- [Specification](#)
- [Installation Manual Chapter](#)