Receiver
part of the Beanbag system

Z-Wave Plus™ certified

The Receiver is a member of the stylish and intelligent Beanbag family of home heating control products, designed to ensure your comfort at all times, while minimising energy consumption.

Beanbag products can be used together in many different ways, and can be integrated with other home control equipment to suit a wide range of heating systems. The Receiver is the ideal partner for the Thermostat and Gateway, all working together through interoperable low-power radio communications. A smartphone app enables you to read the temperature, receive alarms and adjust the set point from anywhere with an Internet connection. You no longer have to worry about returning to a cold house.

The Receiver is a two-channel unit and is ideal for replacing traditional wired controls for systems that require separate control of heating and hot water. It comes with its own wall plate, and includes TPI software that significantly improves boiler efficiency by preventing short-cycling and overshooting of temperature in the heated environment. TPI controllers have been shown to save energy compared to traditional systems, while maintaining more consistent comfort levels.

Application

- Replacement of wired controls
- Control of heating and hot water as part of a Beanbag smart home system
- Domestic gas or oil-fired central heating and hot water systems
- Boiler and hot water control

Features and benefits

- Stylish design, coordinating with other Beanbag home heating control devices
- Z-wave Plus™ certified, fully interoperable relay switch
- TPI temperature control software for efficiency and reliable comfort
- Mains powered, 3 A rated
- Switched-live or switched-circuit operation
- 2 channels
- Local override

SECURE
energy together

Receiver

Technical specifications

Electrical

Number of channels	2
Relay input voltage rating (CH1 and CH2)	12 V to 30 V DC, or 230/240 V AC (50 Hz)
Relay input/output current rating	3A resistive /1A reactive
Supply	230 V/240 V AC (50Hz)
Insulation category	CAT II
Software class	Class A
Control type	Micro-interruption

Compliance

Design standards	Product standard: EN 60703-1, EN 60730-2-7
	R&TTE : Radio: ETSI EN 300 220-1, ETSI EN 300 220-2
	EMC: ETSI EN 301 489-1, ETSI EN 301 489-3

Mechanical

Dimensions	125 mm x 112 mm x 35 mm
Weight	161 g (approx.)
Case material	Thermoplastic, flame retardant
Mounting	Wall plate, with optional fascia plate (supplied)
Mounting mechanism	Push ON, pull OFF
Cable access	Centre or top/bottom/left/right, using surface wire plate

Environmental

Impulse voltage rating	Cat II 2500V
Enclosure protection	IP30
Pollution degree	Degree 2
Operating temperature range	0˚C to +40˚C
Storage temperature	-20°C to +70°C
Environmental humidity range	0 to 90%

Radio

Compliance	Z-Wave Plus compliant
Operating frequency	868.42 MHZ (EU)
Receiver category	Category 3
Power class	Class B
RF range	>100 m, line of sight