# CONTROLS for Underfloor Heating

## Thermostats

- **All underfloor heating systems require a thermostat**
- **Floor probes are supplied as standard**
- **All BN Thermic thermostats offer air/floor mode and floor only mode.**

**T16CW  Touch screen programmable – white**

**T16CS  Touch screen programmable – silver**

**T16CB  Touch screen programmable – black**

**T16R  Optional air sensor for T16C**

**A16C  Manual**

**B16C  Basic programmable**

**U16C  programmable**

**Floor probe provided with every BN Thermic thermostat**

### Thermostats

| Model | Load | Description | Details |
|-------|------|-------------|---------|
| **T16CW** | 16A | Programmable Touch Screen (White) | Page 69 |
| **T16CS** | 16A | Programmable Touch Screen (Silver) | Page 69 |
| **T16CB** | 16A | Programmable Touch Screen (Black) | Page 69 |
| **T16R** | | Optional IP65 remote sensor for T16C thermostats | Page 69 |
| **U16C** | 15A | Programmable Thermostat | Page 69 |
| **A16C** | 15A | Manual Thermostat | Page 69 |
| **B16C** | 16A | Programmable Thermostat | Page 70 |

## Contactors

- For use when the installed load exceeds the switching capacity of the thermostat

### Contactors

| Model | Amperage | Max kW (230V 1ph) | Details |
|-------|----------|-------------------|---------|
| **CON-32** | 32 | 7 | Page 78 |
| **CON-50** | 50 | 11.5 | Page 78 |
| **CON-80** | 80 | 18 | Page 78 |
| **ENCL-D** | Enclosure for CON-32 and CON-50 | | Page 78 |

**CON-32 Contactor**

# Wireless Control

Our wireless thermostat can provide simple, easy to install control in a single room and is especially convenient when one thermostat is required to control more than one heating mat. It can also control larger loads without requiring a noisy contactor.

For multi-room installations, the introduction of a central programmer allows all the rooms in a house to be controlled from a single point.

## Relay Box

- Usually mounted at skirting level
- Switching capacity 16A
- Supplied with floor probe
- Suitable for any room

## Programmable Thermostat

- Can be 'paired' with up to four relay boxes

## Optional Central control

- Touch Screen device
- Can be 'paired' with up to 24 thermostats



**WSB-1 Relay Box**



**WST-1 Wireless Thermostat**



**WSP-1 Central Programmer**

### Wireless Control

| Model | Description | Details |
|-------|-------------|---------|
| WSB-1 | Wireless Relay Box 16A | Page 70 |
| WST-1 | Wireless Thermostat (for use with WSB-1 relay box) | Page 70 |
| WSP-1 | Wireless Central Programmer | Page 71 |

## A Typical Wireless Control System



**WSP-1** Central Programmer

**WST-1** Wireless Thermostat

LARGE ROOM Requiring 2x WSB-1 Relay Boxes

**WSB-1** Relay Box

**WSB-1** Relay Box

SMALLER ROOM Requiring 1x WSB-1 Relay Box

**WST-1** Wireless Thermostat

**WSB-1** Relay Box