

# THERMOSTATS

BN Thermic offers a range of thermostats to meet the requirements of a variety of commercial and industrial heating applications.

For tamperproof and vandal resistant devices please see our Hard Case range on page 54

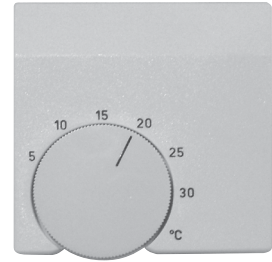
## RST-IN Thermostat for Comfort Heating Applications

### Application

The RST-IN is a simple wall-mounted thermostat suitable for controlling a variety of space heaters

### Specification

<b>Adjustable Range</b>	+5°C to +30°C
<b>Mounting</b>	Surface
<b>Switching Capacity</b>	10A 230V (larger loads and 3-phase loads can be switched via a suitable rated contactor)
<b>Voltage Supply</b>	230V
<b>Contacts</b>	Single pole, change over
<b>Dimensions</b>	74 x 74 x 23
<b>Ingress protection:</b>	IP30
<b>Special Features</b>	Integral heat anticipator improves control accuracy Adjustable range can be limited or locked



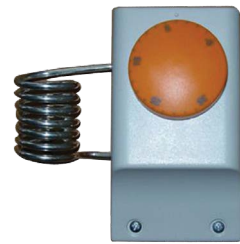
## RST-EX Thermostat suitable for Damp Conditions

### Application

The RST-EX has a high IP rating making it suitable for applications such as plant rooms and water treatment works

### Specification

<b>Adjustable Range</b>	+5°C to +35°C
<b>Mounting</b>	Surface
<b>Switching Capacity</b>	15A 230V (larger loads and 3-phase loads can be switched via a suitable rated contactor)
<b>Voltage Supply</b>	None Required
<b>Contacts</b>	Single pole, change over
<b>Dimensions</b>	105 x 105 x 60
<b>Ingress protection:</b>	IP54



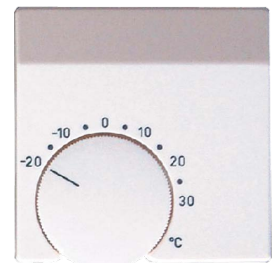
## FST-IN Frost Thermostat

### Application

The FST-IN will provide accurate control at low temperatures and is ideal for use with pipe freeze protection cables

### Specification

<b>Adjustable Range</b>	-20°C to +30°C
<b>Mounting</b>	Surface
<b>Switching Capacity</b>	10A 230V (larger loads and 3-phase loads can be switched via a suitable rated contactor )
<b>Voltage Supply</b>	230V
<b>Contacts</b>	Single pole, change over
<b>Dimensions</b>	74 x 74 x 23
<b>Ingress protection:</b>	IP30
<b>Special Features</b>	Integral heat anticipator improves control accuracy Adjustable range can be limited or locked



## FST-EX Frost Thermostat for Outdoor Use

### Application

The FST-EX will provide accurate control at low temperatures and is ideal for use with pipe freeze protection cables. A high IP rating means that this device is suitable for outdoor use.

### Specification

<b>Adjustable Range</b>	-20°C to +30°C
<b>Mounting</b>	Surface
<b>Switching Capacity</b>	10A 230V (larger loads and 3-phase loads can be switched via a suitable rated contactor)
<b>Voltage Supply</b>	230V
<b>Contacts</b>	Single pole, change over
<b>Dimensions</b>	125 x 125 x 75
<b>Ingress protection:</b>	IP65
<b>Special Features</b>	Integral heat anticipator improves control accuracy Adjustable range can be limited or locked Cover must be removed to allow set-point adjustment



## PROSTAT-7 Programmable Thermostat

### Application

By controlling both air temperature and the hours of operation, the PROSTAT-7 ensures maximum economy in a wide variety of commercial applications. A simple override facility provides a quick boost to comfort levels when the thermostat would normally be in set-back mode.

### Specification

<b>Adjustable Range</b>	+5°C to +30°C
<b>Mounting</b>	Surface
<b>Switching Capacity</b>	6A 230V (larger loads and 3-phase loads can be switched via a suitable rated contactor)
<b>Voltage Supply</b>	3 x AA batteries (supplied)
<b>Contacts</b>	Single pole, change over
<b>Dimensions</b>	142 x 71 x 30
<b>Ingress protection:</b>	IP30
<b>Special Features</b>	Battery life in excess of 2 years Up to 6 programmable events per day Temporary temperature override until next preset period Temperature lock – permanent temperature override until reset



# GP-T Electronic Thermostat for Gutter and Downpipe Heating Systems

## Application

The problems associated with snow and ice occur when the ambient temperature is between +5°C and -5°C. To ensure maximum economy, the GP-T has two set-points. In this way the system will be switched off when the temperature is either too high or too low for problems to arise. The GP-T should be mounted externally in a sheltered location.



GP-T with cover removed showing set-point adjustment knobs



GP-T with cover in place

## Specification

<b>Adjustable Range:</b>	-10°C to +30°C
<b>Mounting:</b>	Surface
<b>Switching Capacity:</b>	16A 230V
<b>Voltage Supply:</b>	230V
<b>Contacts:</b>	Single pole, single throw
<b>Dimensions:</b>	120 x 122 x 55
<b>Ingress Protection:</b>	IP65
<b>Special Features:</b>	Supplied with M20 cable gland

## Thermostats - Specifications

Model	Description	Dimensions (mm)		
		H	W	D
RST-IN	Room thermostat – general purpose 10A	74	74	23
RST-EX	Thermostat weather resistant (IP54) 15A	105	105	60
FST-IN	Frost thermostat – indoor use 10A	74	74	23
FST-EX	Frost thermostat – outdoor use (IP65) 10A	125	125	75
PROSTAT-7	7 day programmable thermostat using 3 x AA batteries (supplied) 8A	71	142	30
GP-T	Electronic thermostat for gutter and downpipe heating systems (IP65) 16A	120	122	55