A16C - Manual thermostat

Application	Underfloor heating
Adjustable Range	+5°C to +30°C (manual adjustment)
Mounting	Recessed into a single-gang back box
Sensors	Integral air sensor with floor sensor supplied as standard
Switching capacity	15A 230V
Voltage supply	230V
Contacts	Single pole, single throw
Dimensions	82mm (H) x 78mm (W) x 17mm (D) - when installed
Ingress protection	IP20
Special features	Manual on/off switch Can be configured for 'air and floor sensor' or 'floor sensor only'

U16C - Programmable thermostat

Application	Underfloor heating
Adjustable Range	+5°C to +30°C
Mounting	Recessed into a single-gang back box
Programming Periods	7-day/4 per day
Sensors	Integral air sensor with floor sensor supplied as standard
Switching capacity	15A 230V
Voltage supply	230V
Contacts	Single pole, single throw
Dimensions	82mm (H) x 78mm (W) x 17mm (D) - when installed
Ingress protection	IP20
Special Features	Can be configured for 'air and floor sensor' or 'floor sensor only' Back-lit screen Summer switch (switches off heating but retains programme)

T16C - Touchscreen programmable thermostat

Application	Underfloor heating
Adjustable Range	+5°C to +34°C
Mounting	Recessed into a single-gang back box
Programming Periods	7-day with no restriction of number of events per day
Sensors	Integral air sensor with floor sensor supplied as standard
Switching capacity	16A 230V
Voltage supply	230V
Contacts	Single pole, single throw
Dimensions	90mm (H) x 90mm (W) x 18mm (D) - when installed
Ingress protection	IP21
Special Features	Available in white, black or silver Can be configured for 'air and floor sensor' or 'floor sensor only' Screen colour can be changed Built-in energy use monitor Can be used with remote, wall mounted air sensor model T16R (IP65)

T16R optional IP65 air sensor

CONTROLS Thermostats - Continued

WSB-1 - Wireless relay box

Application	Underfloor heating and general commercial and domestic heating
Use with	WST-1 wireless thermostat
Mounting	Recessed into a single-gang back box
Sensor	Floor probe (when used with underfloor heating)
Switching capacity	16A 230V
Voltage supply	230V
Contacts	Single pole, single throw
Dimensions	90mm (H) x 90mm (W) x 24mm (D) - when installed
Ingress Protection	IP20 (see special features)
Special features	Ingress protecting improved to IP21 when clip provided is fitted

WST-1 - Wireless thermostat

Application	Underfloor heating and general commercial and domestic heating
Use with	WSB-1 relay boxes
Adjustable Range	+5°C to +37°C
Mounting	Surface mount or rest on stand provided
Programming Periods	Weekly in 30 minute periods
Sensor	Integral air sensor
Voltage supply	2 x AAA batteries (provided)
Number of WSB-1 relay boxes controlled	4 maximum
Ingress protection	IP30
Special Features	Keyboard lock function Low battery indication Frost protection (holiday) mode Temporary override when used with WSP-1 wireless central programmer

WSP-1 - Wireless central programmer

Application	Underfloor heating and general commercial and domestic heating
Use with	WST-1 wireless thermostat and WSB-1 wireless relay boxes
Adjustable Range	+5°C to +37°C
Mounting	Recessed into a single-gang back box
Programming Periods	7-day with no restriction of number of events per day
Voltage supply	230V
Dimensions	90mm (H) x 90mm (W) x 18mm (D) - when installed
Number of heating zones controlled	24 maximum
Ingress protection	IP21
Special Features	Individual zones (rooms) can be renamed and numbered Frost protection (holiday) mode Energy use monitor

GP-T with cover removed

GP-T - Dual setting thermostat

Application	Gutter freeze protection cable
Adjustable range	-10°C to +30°C (dual settings)
Mounting	Surface
Switching capacity	16A 230V
Voltage supply	230V
Contacts	Single pole, single throw
Thermostat dimensions	120mm x 122mm x 55mm
Thermostat ingress protection	IP65
Special features	M20 cabled gland provided
List price	**£148.00**

ERC-T1 - Snow and ice melting controller and sensor

Application	Controlling snow and ice melting mats
Adjustable range	0°C to +10°C
Adjustable run-on time	0 to 5 hours
Mounting	DIN-rail
Switching capacity	16A 230V
Voltage supply	230V
Contacts	Single pole, single throw
Thermostat dimensions	86mm x 52mm x 59mm
Thermostat ingress protection	IP20
Ground Sensor	Detecting temperature and moisture
Sensor dimensions	60mm dia x 32mm with 10m cable
Sensor ingress protection	IP68
Special features	LED indicators: power on, moisture detected, low temperature detected, output on

HARD CASE

HC-T2 - Hard Case thermostat

Application	Heating control in industrial and public areas
Adjustable range	12°C to 25°C (comfort) 0°C to 12°C (frost protection) Use internal dip switch to select range
Differential	Adjustable 0.25°C to 5°C
Accuracy	To within +/- 0.5°C
Mounting	Surface
Switching capacity	16A 230V
Voltage supply	230V
Contacts	Single pole, changeover
Dimensions	120mm x 95mm x 57mm
Case	Die-cast aluminium
Sensor	Side mounted black sensor (option of IP55 rated remote mounted sensor HC-S2)
Thermostat ingress protection	IP30 when installed
Special features	Tamperproof design requiring HC-D tool to access Vandal resistant

HC-ST2 - Hard Case thermostat with set-back

Application	Heating control in industrial and public areas
Adjustable range	12°C to 25°C (comfort)
Adjustable set-back	Up to 20°C below comfort setting
Indication	Set-back operation: Blue LED (default mode) Comfort operation: red LED
Comfort selection	Side mounted button activating built-in run-down timer (adjustable up to 7.5 hours) OR Remote device such as PROTIM-7 programmable timer
Differential	Adjustable 0.25°C to 5°C
Accuracy	To within +/- 0.5°C
Mounting	Surface
Switching capacity	16A 230V
Voltage supply	230V
Contacts	Single pole, changeover
Dimensions	120mm x 95mm x 57mm
Case	Die-cast aluminium
Sensor	Side mounted black sensor (option of IP55 rated remote mounted sensor HC-S2)
Thermostat ingress protection	IP30 when installed
Special features	Tamperproof design requiring HC-D tool to access Vandal resistant

HC-S2 optional IP55 remote mounted air sensor

HC-D tamperproof tool

RST-IN - Standard room thermostat

Application	Commercial heating
Adjustable Range	+5°C to +30°C
Mounting	Surface
Switching capacity	10A 230V
Voltage supply	230V
Contacts	Single pole, change over
Dimensions	74mm x 74mm x 23mm
Ingress protection	IP30
Special features	Heat anticipator improves control accuracy Adjustable range can be limited or locked

RST-EX - IP54 Thermostat

Application	Industrial heating in damp conditions
Adjustable Range	+5°C to +35°C
Mounting	Surface
Switching capacity	15A 230V
Voltage supply	None required
Contacts	Single pole, change over
Dimensions	105mm x 105mm x 60mm
Ingress protection	IP54

FST-IN - Frost thermostat (indoor)

Application	Frost protection
Adjustable Range	-20°C to +30°C
Mounting	Surface
Switching capacity	10A 230V
Voltage supply	230V
Contacts	Single pole, change over
Dimensions	74mm x 74mm x 23mm
Ingress protection	IP30
Special features	Heat anticipator improves control accuracy Adjustable range can be limited or locked

FST-EX - Frost thermostat (outdoor)

Application	Frost protection
Adjustable Range	-20°C to +30°C
Mounting	Surface
Switching capacity	10A 230V
Voltage supply	230V
Contacts	Single pole, change over
Dimensions	125mm x 125mm x 75mm
Ingress protection	IP65
Special features	Heat anticipator improves control accuracy Adjustable range can be limited or locked

CONTROLS Thermostats - Continued

PROSTAT-7 - Programmable thermostat

Application	Programmable temperature control in commercial premises
Adjustable Range	+5°C to +30°C
Mounting	Surface
Switching capacity	6A 230V
Voltage supply	3 x AA batteries (supplied)
Contacts	Single pole, change over
Dimensions	142mm x 71mm x 30mm
Ingress protection	IP30
Special features	Battery life in excess of 2 years Up to 6 programmable events per day Temporary temperature override until next pre-set period Temperature lock – permanent temperature override until reset

RST-TP - Tamperproof thermostat

Application	Commercial heating
Adjustable Range	+5°C to +25°C
Mounting	Surface
Switching capacity	20A 230V
Voltage supply	230V
Contacts	Single pole, single throw
Dimensions	85mm x 85mm x 35mm
Ingress protection	IP30
Special features	Concealed temperature adjustment Optional 'shear-off' cover fixing screws Heat anticipator improves control accuracy

TXST-01 - ATEX Thermostat (hazardous gases only)

Approval	ATEX
Equipment Protection Level	Gb (gas)
Zones	Zones 1 and 2 (gas)
Group	Group IIC
Temperature Class	T6
Adjustable Range	0 to 40˚C
Differential	4˚C (+/- 2˚C)
Temperature Sensing	Bulb and Capillary (stainless steel)
Cable Entries	2 x M20
Enclosure Material	Cast aluminium with black anodised finish
Mounting plate material	Powder coated steel
Switching Capacity	16A 230V resistive load
Contacts	Single pole double throw (changeover)
Ingress protection	IP66
Dimensions	210mm (w) x 300mm (h) x 91mm (d)
Weight	5kg

TXST-02 - ATEX Thermostat (hazardous gases and dusts)	
Approval	ATEX
Equipment Protection Level	Gb (gas) Db (dust)
Zones	Zones 1 and 2 (gas) Zones 21 and 22 (dust)
Group	Group IIC (gas) Group IIIC (dust)
Temperature Class	T6
Adjustable Range	-20 to 40˚C
Temperature Sensing	Stainless steel 316Ti capillary
Cable Entries	2 x M20
Certified Cable Glands	M20 x 1.5 with clamping range Ø 6-13mm M20 x 1.5 with clamping range Ø 7-17mm
Enclosure Material	Black polyester
Switching Capacity	16A 230V resistive load (break on rise/heating) 6A 230V resistive load (make on rise/cooling)
Contacts	Single pole double throw (changeover)
Ingress protection	IP65
Dimensions	200mm (w) x 106mm (h) x 90mm (d)
Weight	1.2kg