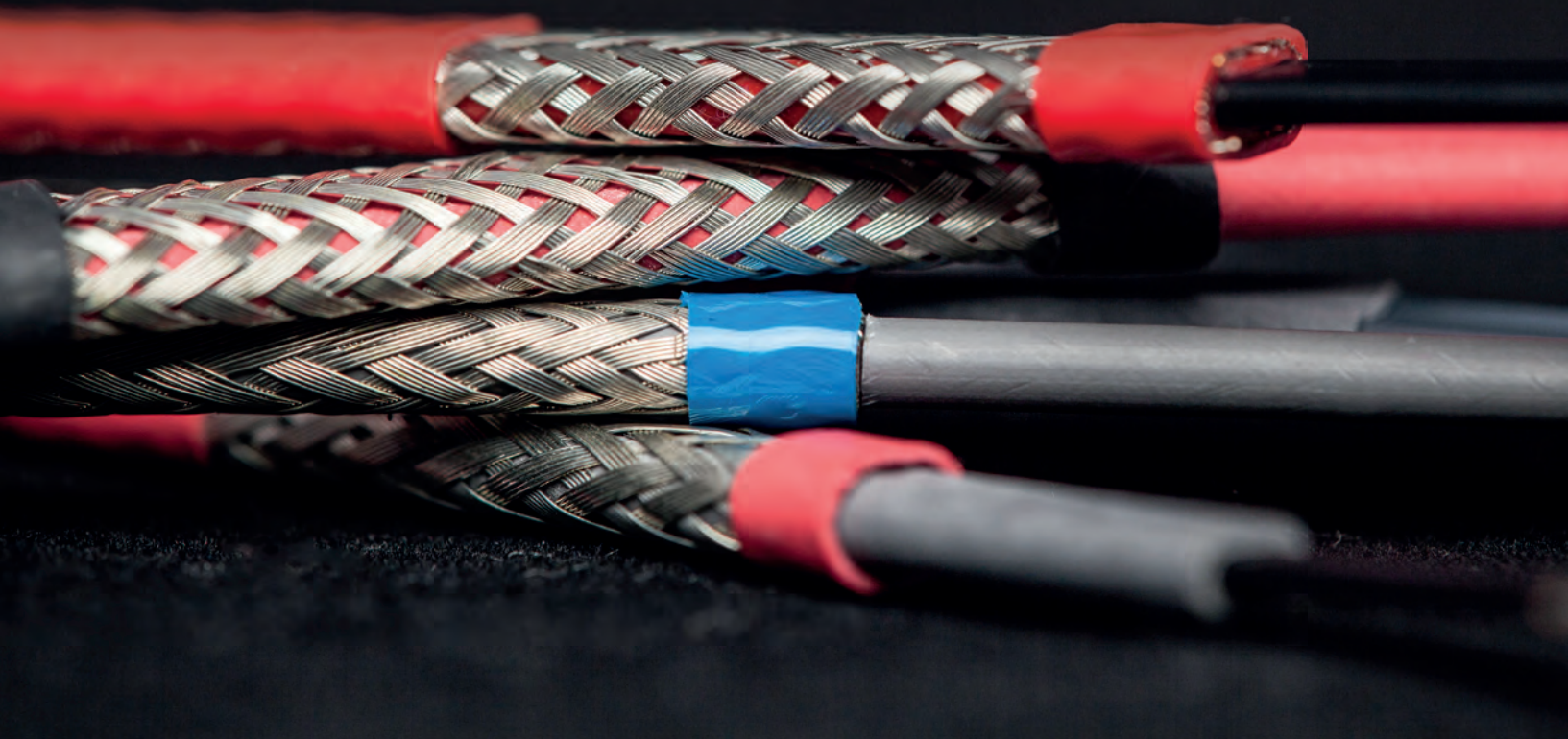




Worldwide Specialists in Electric Heat Tracing



Accessories

ThermControl Ex

EX-CAPILLARY-THERMOSTAT



The capillary thermostat ThermControl Ex is approved for use in hazardous areas Zones 1 and 2 for gas and Zones 21 and 22 for dust as a surface thermostat on pipes and vessels. There are different temperature ranges possible. The material of the capillary tube is stainless steel and the rugged enclosure is made of aluminium.

Properties

- Robust
- Versatile use

Applications

- Industrial applications
- Use in hazardous areas
- Heat tracing on pipes, valves and vessels
- Oil & gas industry



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ThermControl Ex

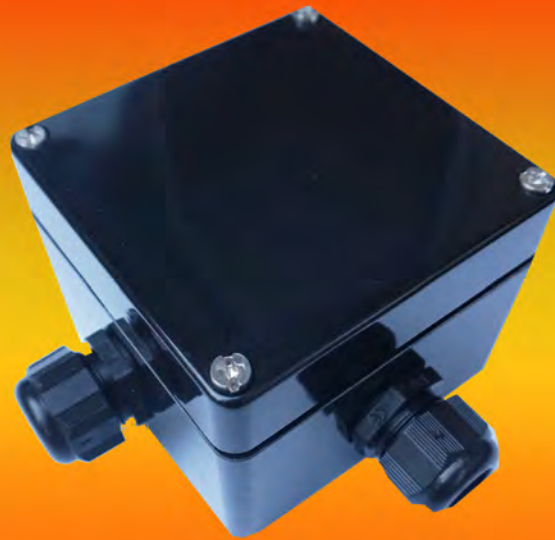
Name	Temperature Range (°C)
ThermControl Ex	0°C to 200°C

Technical data

Ex-Classification:	II 2G Ex d IIB T6 Gb II 2D Ex tb IIIC T85°C Db
Ambient temperature:	-32 °C up to +50 °C
IP rating:	IP66
Switching capacity:	16A at 230V
Switching differential:	1 pol.
Switching contact:	1 pol.
Capillary tube:	Stainless steel
Enclosure:	120mm x 120mm x 110 mm
Bending radius capillary tube:	5mm
Cable entrance:	1 x gland M20, clamping range 10-14mm 1 x thread M 20 x 1.5
Salt-water proof:	Yes

JunctionBox Ex-1

For use in hazardous areas



In accordance with the Ex-Guidelines, the JunctionBox Ex-1, in its conventional design, is suitable for use in potentially explosive atmospheres. It covers a significantly wide range of ambient temperatures and may be mounted on walls or pipes.

Properties

- Covers a wide range of temperatures
- Suited for wall-mounting and mounting on pipes

Applications

- Hazardous areas
- Chemical and petrochemical industries
- Power stations
- Industrial plants with a need for frost protection or temperature maintenance



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JunctionBox Ex-1

Technical data

Ex-Classification:	II 2G Ex e IIC T5 Gb II 2D Ex tb IIIC T90°C Db
Ambient temperature:	-35 °C up to +55 °C
Nominal current:	max. 16 A
Nominal voltage:	max. 275 V
Terminals:	Min. 0,5 mm ² , max. 6 mm ²
Enclosure:	Polyester
Dimensions:	120 x 120 x 91 mm
Cable glands:	Polyamide
Type of mounting:	Walls and pipes

JunctionBox Ex-2

For use in hazardous areas



In accordance with the Ex-Guidelines, the JunctionBox Ex-2, in its conventional design, is suitable for use in potentially explosive atmospheres. It covers a significantly wide range of ambient temperatures and may be mounted on walls or pipes.

Properties

- Covers a wide range of temperatures
- Suited for wall-mounting and mounting on pipes

Applications

- Hazardous areas
- Chemical and petrochemical industries
- Power stations
- Industrial plants with a need for frost protection or temperature maintenance



JunctionBox Ex-2

Technical data

Ex-Classification:	II 2G Ex ebIIIC T5 Gb II 2D Ex tb IIIIC T90° Db
Ambient temperature:	-35 °C up to +55 °C
Nominal current:	max. 16 A
Nominal voltage:	max. 275 V
Terminals:	Min. 0,5 mm ² , max. 6 mm ²
Enclosure:	Polyester
Dimensions:	120 x 220 x 91 mm
Cable glands:	Polyamide
Type of mounting:	Walls and pipes

ThermConnect Ex

Connection Kit
for Self-Regulating Heating Tapes



The ThermConnect EX connection kit has been developed to enable the self-regulating heating cables in hazardous areas. This kit is compatible with:

ThermTrace®Light
ThermTrace®Regular
ThermTrace®Super
ThermTrace®X

Certificate

IBExU15ATEX1014X

Properties

- Easy termination
- Time-saving

Applications

- Pipe heating
- Frost protection for industrial plants
- Hazardous areas
- Chemical and petrochemical plants
- Oil and gas industry
- Containers and tanks
- Food industry



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ThermConnect TTC/TTCM

Connection Kit and End-Termination
for Constant Wattage Heating Tapes



The ThermConnect-TTC and ThermConnect-TTCM connection kits have specifically been developed for the ThermTrace Constant and ThermTrace Constant Mini series of constant wattage heating tapes. The kits come with an end-termination and may be used in non-hazardous areas.

Properties

- Easy connection
- Including end-termination
- Time-saving

Applications

- Pipe heating
- Frost protection for industrial plants
- Chemical and petrochemical plants
- Containers and tanks
- Food industry



ThermConnect End-TTL

End Termination Kit
for Self-regulating Heating Cables



ThermConnect End-TTL kits are compatible with ThermTrace Lite self-regulating heating cables and have especially been developed for use in hazardous areas.

For our different types of ATEX certified self-regulating heating cables, we offer several custom-fit end-termination kits.

Compatible with:

ThermTrace®Light

Permissible ambient temperature:
-45°C up to 85°C

Properties

- Easy termination
- Time-saving

Applications

- Pipe heating
- Frost protection for industrial plants
- Hazardous areas
- Chemical and petrochemical plants
- Oil and gas industry
- Containers and tanks
- Food industry



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ThermConnect End-TTR

End Termination Kit
for Self-regulating Heating Cables



The ThermConnect End-TTR kits are compatible with ThermTrace Regular self-regulating heating cables and have specifically been developed for usage in hazardous areas.

For our different types of ATEX certified self-regulating heating cables, we offer several custom-fit end-termination kits.

Compatible with:

ThermTrace® Regular

Permissible ambient temperature:
-45°C up to 85°C

Properties

- Easy termination
- Time-saving

Applications

- Pipe heating
- Frost protection for industrial plants
- Hazardous areas
- Chemical and petrochemical plants
- Oil and gas industry
- Containers and tanks
- Food industry



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ThermConnect End-TTS

End Termination Kit
for Self-regulating Heating Cables



The ThermConnect End-TTS kits have especially been developed for use in hazardous areas at high temperatures; they are compatible with ThermTrace Super self-regulating heating cables.

For our different types of ATEX certified self-regulating heating cables, we offer several custom-fit end-termination kits.

Compatible with:

ThermTrace® Super

Permissible ambient temperature:
-40°C up to 210°C

Properties

- Easy termination
- Time-saving

Applications

- Pipe heating
- Frost protection for industrial plants
- Hazardous areas
- Chemical and petrochemical plants
- Oil and gas industry
- Containers and tanks
- Food industry



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ThermConnect End-TTX

End Termination Kit
for Self-regulating Heating Cables



The ThermConnect End-TTX kits have especially been developed for use in hazardous areas at high temperatures; they are compatible with ThermTrace X self-regulating heating cables.

For our different types of ATEX certified self-regulating heating cables, we offer several custom-fit end-termination kits.

Compatible with:

ThermTrace[®]X

Permissible ambient temperature:
-60°C up to 250°C

Properties

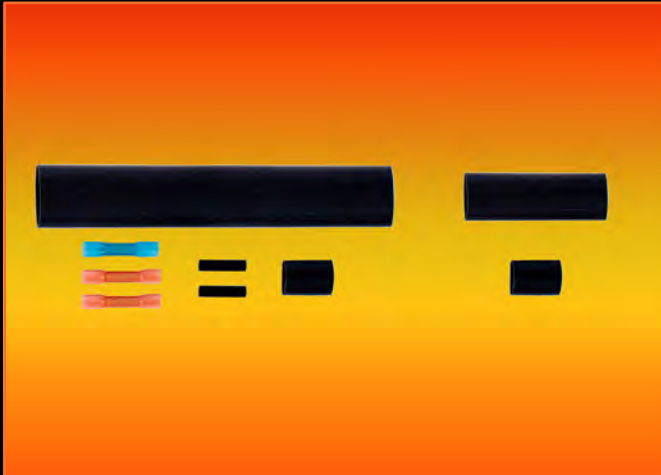
- Easy termination
- Time-saving

Applications

- Pipe heating
- Frost protection for industrial plants
- Hazardous areas
- Chemical and petrochemical plants
- Oil and gas industry
- Containers and tanks
- Food industry



HTS Accessories



ThermConnect-A

Heat-shrink power connection and end-termination kit for all HTS self-regulating heating tapes for non-hazardous areas.

The end-termination also using shrink sleeves.



ThermConnect-B

Heat-shrink connection kit for direct connection of two heating tapes for non-hazardous areas. The kit is suitable for all HTS self-regulating heating tapes.



WarningLabel

Warning Label for all HTS heating tapes English "Electric Heat Tracing"



ThermControl Standard

Standard Thermostat



ThermControl Standard 0-90 ThermControl Standard 50-200

Junction box/thermostat units designed for the termination and temperature control of electric trace heating systems and other industrial applications. They can be used for frost protection and process temperature maintaining of pipe work and storage tanks.

Units may be used as an air sensing or pipe sensing thermostat.

Available in different temperature ranges.

The unit is supplied in the air sensing mode with capillary bulb fixed to the enclosure. Removal of the bulb from the housing tube converts the unit to pipe sensing.

Properties

- Simple to use
- Visible Set Point
- 'MAINS ON' & 'HEAT ON' Indication
- Suitable for 110V and 230V Systems

Applications

- Pipe heating
- Frost protection and temperature maintenance
- Use in non-hazardous areas
- Heat Tracing on pipes, valves and vessels



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Technical Data

Enclosure	ABS & PC
Ingress Protection	IP 65
Dimensions (mm)	125 x 125 x 75
Weight (g)	550
Temperature Ranges (°C)	0-90 / 50-200
Sensor	Stainless Steel
Sensor Length (mm)	900mm
(approx. from exit from enclosure)	
Sensor Bulb dia (mm)	6
Max Conductor (mm ²)	2.5
Rating	16A

ThermControl Digital

Digital Thermostat



ThermControl Digital

The ThermControl Digital electronic temperature controller is a versatile temperature controller with high accuracy, suitable for 110V and 230V trace heating applications.

The instrument has Volt Free Alarm Relay Outputs which allow integration with BMS facilities.

The controller has the facility to set both high temperature and low temperature alarm points.

The process parameters and setpoints can be adjusted by using the keypad on the front of the instrument.

Properties

- Simple to use
- Accurate Temperature Control
- High and Low Temperature Alarm Relay

Applications

- Frost protection and temperature maintenance
- Use in non-hazardous areas
- Heat Tracing on pipes, valves and vessels



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Technical Data

The process parameters and setpoints can be adjusted by using the keypad on the front of the instrument.

Enclosure	PC
Ingress Protection	IP 65
Dimensions (mm)	125 x 125 x 100
Weight (g)	650
Temperature Range (°C)	-50 – +150*

(*for temperatures above 100°C a Silicone Insulated PTC is required)

Sensor	PVC with Stainless Steel Sensor
Sensor Length (mm)	1.5m
Sensor Bulb dia (mm)	6
Max Conductor (mm ²)	2.5
Rating	16A
Cable Entries	6 x M12/M20 & 4 x M16/M25



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