



(2nd edition)



# Junction boxes, temperature controls and accessories for heat tracing

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Cat1-2-1-1

Section 4		Y29C Y29D	IP67 and IP69K connection box with pipe mounting foot, with internal 12-way terminal block, or Din rail, for connection of power supply, two heating cables and a temperature sensor. Available with 2 cable glands (M24 and M12) or with only one 5-way, 16A IP67 connector.	P25-P32
Section 5			ion piercing terminals for self-regulating cables, for rial or hazardous area	P1-P14
	Ex CCCex	Y401 Y402	Two cables models. IP67 and IP69K connection box, allowing the connection of two self-regulating flat cables between them, or of a self-regulating cable and a power supply cable. Insulation piercing connection system. Snap-on stainless steel or PA6 brackets for pipe mounting.	Р5-Р9
Section 5	Ex CCCex	Y414	Models for 4 cables. IP67 and IP69K connection box, allowing the connection of three self-regulating flat cables, and a power supply cable or any other combination. Disconnectable jumpers for independent circuits. Insulation piercing connection system. Snap-on stainless steel or PA6 brackets for pipe mounting.	P10-P14

Section 6:	Section 6: Mechanical thermostats inside housing, for ambient temperature measurement, or with remote probe				
	IECex CCCex	49JB 4X	Fixed setting anti-freeze disc thermostats, for mounting in holes or threads for M20x1.5 cable glands. (This model also exists in explosion proof version)	Р3	
Section 6		Y22	Room thermostat, with built-in anti-freeze fixed setting thermostat, with 2 pilot lights. Internal connection block. Two M20 cable glands.	Ρ4	
Section 6		Y261	Connection box with built-in antifreeze fixed setting thermostat, with terminal block for 3 round or flat cables with metal braid, for heat tracing. 3 in line M24 cable glands. Wall or pipe mounting	P5-P9	

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

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	YOD8 YOD9	Adjustable room thermostat, IP55 plastic housing, internal or external adjustment, one pilot light, pig- tail bulb. One, two, or three M20 cable glands for round or flat cables. Can be used for distribution to one or two heating cables. Also available with bulb and capillary distant sensor.	P10-P11
-	Y1A8G Y1B8G	Room thermostat, IP65, IK10 aluminium housing, internal adjustment under polycarbonate window. One pilot light, pig-tail bulb. Two M20 cable gland. Can be used for direct control of one heating cable. Also available with bulb and capillary distant sensor.	P12-P13
	YF7GNC	Room thermostat, IP69K, IK10, round plastic housing, Adjustment under screwed polycarbonate lid. Two pilot lights, pig-tail bulb. Two M20 cable gland. Can be used for direct control of one heating cable. Also available with bulb and capillary distant sensor.	P14-P15

Section 7	Section 7 : Electronic controllers, for ambient temperature measurement, with built-in or remote sensor.				
		2DNA	Electronic controller with digital display, DIN rail mounting, with remote temperature sensor, for antifreeze or temperature control of heating cables and pipes. On Off action with adjustable differential. Used to control directly one heating cable.	РЗ-Р4	
Section 7		Y1A2P Y1B2P	Electronic room thermostat, on-off action with low differential, IP65, IK10 aluminum housing. Internal set point adjustment. <b>Two</b> M20 cable glands for round or flat cables. Used to connect directly one round or oblong heating cable.	Р5-Р6	
		YF62NC YF92NC	Adjustable electronic room thermostat with low differential, on-off action with adjustable differential, inside IP69K, IK10 plastic housing with transparent polycarbonate window. Two M20 cable glands for round or flat cables. Allows direct connection of one round or oblong heating cable. Available with built-in or remote temperature sensor.	Р7-Р8	
		Y8WR-X Y8WR-Y	Industrial electronic thermostat, graduated knob set point adjustment, wall-mounting, for remote control of trace heaters, to be used combination with a connection box Y26, Y27, Y28, Y29, Y40, Y41. IP69K ingress protection. Adjustment by graduated knob. On-Off action. Output by 3 cable glands or by 5-ways connector. Can receive a rear stainless-steel bracket for pipe mounting.	P9-P11	

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	Y8WH-X Y8WH-Y	Industrial electronic temperature controller, digital display, wall-mounting, for remote control of trace heaters, to be used combination with a connection box Y26, Y27, Y28, Y29, Y40, Y41. IP69K ingress protection. Adjustment by graduated knob, On- Off action. Output by 3 cable glands or by 5-ways connector. Can receive a rear stainless-steel bracket for pipe mounting.	P12-P14
	Y8WJ-X Y8WJ-Y	Industrial electronic temperature controller, <b>double</b> digital display, wall-mounting, for remote control of trace heaters, to be used combination with a connection box Y26, Y27, Y28, Y29, Y40, Y41. IP69K ingress protection. Adjustment by graduated knob, <b>PID action.</b> Output by 3 cable glands or by 5-ways connector. Can receive a rear stainless-steel bracket for pipe mounting.	P15-P17
Section 7	Y8WR-Z	Industrial thermostat IP69K, IK10, adjustment under polycarbonate window, two indicator lights. Includes a pipe mounting foot and a gasket in the foot allowing the passage of 1 or 2 self-regulating cables up to 6 × 13mm, and a thermostat capillary. Connection of the power supply by an M25 cable gland. Available in room temperature control with incorporated probe, or with remote probe.	P18-P22
	Y8WH-Z	Industrial temperature controller with digital display, on-off action. IP69K, IK10 enclosure, adjustment under polycarbonate window. Fitted with one pipe mounting leg allowing to receive 1 or 2 self-regulating cables up to 6 × 13mm, and one temperature sensor cable. Also fitted with one M25 cable gland for the power cable. Available in room temperature control with built-in or with remote temperature sensor.	P23-P27
	Y8WJ-Z	Industrial temperature controller with <b>double</b> digital display, <b>PID action</b> . IP69K, IK10 enclosure, adjustment under polycarbonate window. Fitted with one pipe mounting leg allowing to receive 1 or 2 self-regulating cables up to 6x13mm, and one temperature sensor cable. Also fitted with one M25 cable gland for the power cable. Available in room temperature control with built-in or with remote temperature sensor.	P28-P32
	TSR5 TNR6	Standard temperature sensors Pt100 and NTC for use in heat tracing.	P33-P34
	TSJB TNJB TPJB TJJB	Pt100, J and K thermocouples or NTC temperature sensors, for mounting in holes or threads for M20x1.5 cable glands.	Р35-Р36

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Section 8 : Various assemblies made on heating cables supplied by customer				
		49C	Fixed temperature thermostats, overmolded on heating cables and power supply cables (Only for large quantities production on customer's cables)	РЗ-Р4
Section 8		9UW	Over-moulding of power supply cord and free end cap on self-regulating heating wires or others supplied by customer.	P5-P6

Section 9 : Heating cables terminations and small accessories			P1-P48	
Section 9		6YTDKA & 6YTDKB	Silicone sleeves for connection of heating cables and power supply cords on thermostats (field or workshop assembly). Overmolded cord with incorporated thermostat, mounts on oblong heating cables, of the self- regulating parallel type or of constant power. Connection by crimping or soldering. Sealing of the connection by silicone sleeve + RTV or by heat-shrink tubing.	РЗ-Р9
		6YTNL	Silicone sleeves for connection of thermostats on heating cables (field or workshop assembly). Installation on the free end of the heating cable, for oblong heating cables, limited to series types with two side by side bus wires. Connection by soldering. Sealing of the connection by silicone sleeve + RTV.	P10-P13
		6YTNM	Silicone sleeves for connection of heating cable on power supply wires (field or workshop assembly). Filling with room temperature vulcanizing silicone resin (RTV)	P14-P17
		6YTNE	Termination caps for closing the free end of round and flat heating cables (workshop or field use). Can be mounted dry, or filled with room temperature vulcanizing silicone resin (RTV).	P18-P19
	IECex CCCex	6YTEW	Self-clamping waterproof PA66 termination caps (End seals) for closing the free end of round and flat heating cables. IP67. No need for silicone filling or adhesive. Also exists in explosion proof version.	P20-P21
		6YTNJ	55 shore black silicone caps, for termination of the free end of round or flat heating cables for self- regulating type cables, constant power type, or series type with one or two conductors side by side. Includes a filling system with silicone resin vulcanizing at room temperature (RTV), usable without special tools on site or in the workshop.	P22-P23
		6YTNB	Sheathing and insulation boot for self-regulating heating cable conductors after removal of the heating zone. (This insulation is mandatory because the residual semiconductor plastic sheathing the bus wires is not an electrical insulator)	P24-P28

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		6YTP	M20 and M24 cable glands with gaskets for round, oblong and self-regulating cables.	P29-P33
		6YTBA	Stainless steel devices for mounting temperature sensors and thermostat bulbs on pipes surface. Flexibles, they provide a permanent thermal contact with the pipe	P34
		6ҮТВТ	Bands for mounting electric heat tracing cables on pipes, on roofs or on the floor.	P35-P36
		6YTQS	Support in stainless steel for mounting M20x1.5 disc thermostats and M20x1.5 temperature sensors on pipe walls.	P37
Section 9		6YTQT	Stainless steel mounting feet for connection boxes with or without insulation piercing, snapped-on or screwed on the bottom of the boxes. Mounting on pipes by nylon ties or metal clamps.	P38-P39
		бүтрр	Heat tracing pipe mounting feet for connection boxes, includes gasket for flat self-regulating cables up to 6 x13mm, and for temperature sensor. Patented self- locking of the gasket tightening. (1" thread).	Р40-Р43
		бүтсо	Tinned tubular copper terminals for connecting heating wire conductors end to end by hexagonal crimping.	P44-P47
	Ultimheat QTe	6YTMC	Fluid RTV silicone for filling, temperature resistance 280°C, in 45ml tubes, with injection nozzle.	P48

	Section 10: Special tools					
Section 10		6YTTL03	Exclusive hexagonal crimping plier for wires (exclusive model).	Р3		
		6YTTL04	Exclusive stripping pliers for heat tracing cables with dedicated cutting blades according to all cable dimensions.	P4-P6		
		6YTTL05	Exclusive tool for cutting the heating zone between the conductors (for flat self-regulating cables). Also allows to cut one of the two conductors and its insulation over 5mm in order to maintain safety isolation distances at the end of self-regulating heating cables (exclusive model).	P7-P8		

# The second edition of this catalogue will be available soon