



**Temperature measurement and control for industry: sensors, transmitters, controllers and solid state relays**

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## COMPONENTS FOR TEMPERATURE SENSORS, CABLES & CONNECTORS

### Process mounts

#### Watertight compression fitting in stainless steel



Reference	Sheath diameter dimensions	Thread
L078827-000	1.5 mm	1/8" NPT
L078830-000	3 mm	1/4" NPT
L078833-000	4.5 mm	1/4" NPT
L078836-000	6 mm	1/4" NPT
L078841-000	8 mm	1/4" NPT
L078838-000	6 mm	1/2" NPT

Ensures the fitting and watertightness of the sensor to the installation. Can be used on all sheathed sensors. The ferrule, in stainless steel, is clinched onto the sensor's sheath. Pressure resistance up to 200 bars and can withstand temperature up to 600 °C.

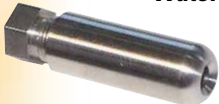
#### Connection base for bayonet style mount



Reference	Thread	Length	Diameter	Material	Ø inside bayonet
P01.6050.27	M10x100	28 mm	10.3 mm	Nickelled brass	10.6 mm
P01.6050.28	M10x150	28 mm	10.3 mm	Nickelled brass	10.6 mm
P01.6050.30	M12x175	28 mm	10.3 mm	Nickelled brass	10.6 mm
P01.6050.38	M14x150	27 mm	14.5 mm	Stainless steel	15.3 mm
P01.6050.39	G3/8 cyl.	27 mm	14.5 mm	Stainless steel	15.3 mm
P01.6050.36	M12x100	35 mm	12 mm	Nickelled brass	12.5 mm

For assembling TF4/5/6/16 thermocouples with bayonet sockets (see p. 8).

#### Watertight compression fitting in stainless steel, for the food industry



Reference	Sheath diameter dimensions	Length	Diameter
L228109-000	5 mm	54 mm	16 mm
L228117-000	6 mm	54 mm	16 mm

To be welded to the installation's pipework. Used on all sheathed sensors. Adjustable mounting on sensor with a twist-locking system. 316 L stainless steel for the food processing industry, pharmaceuticals... Pressure resistance up to 10 bars and can withstand temperature up to 200 °C.

### Compensating connectors for thermocouples

It is simply a matter of connecting a thermocouple to a compensation cable. Their large-surface contacts are the same type as thermocouple wires. Can withstand temperature up to 220 °C.

#### Standard connectors



Reference	Plug/Jack	Color
L12547J-000	male J type	Black
L12547K-000	male K type	Green
L12548J-000	female J type	Black
L12548K-000	female K type	Green
L125490-000	cable clamp	—

#### Duplex connectors



Reference	Plug/Jack	Color
L12543J-000	male J type	Black
L12543K-000	male K type	Green
L12544J-000	female J type	Black
L12544K-000	female K type	Green
L125499-000	cable clamp	—

#### Miniature connectors



Reference	Plug/Jack	Color
L12587J-000	male J type	Black
L12587K-000	male K type	Green
L12588J-000	female J type	Black
L12588K-000	female K type	Green
L125890-000	cable clamp	—

## Extension and compensation cable reels

### Extending your thermocouple up to the instrumentation loop

Cables, 2 conductors, for J, K and S type thermocouples.  
Available in reels of 50, 100 or 250 m.

#### PVC insulation / PVC sheath - Withstands up to 80 °C

50 m reel	100 m reel	250 m reel	Type of TC	Cable type	Class	Diameter
L921201-120	L922201-120	L923201-120	J	extension	class 1	0.2 mm
L921401-120	L922401-120	L923401-120	K	extension	class 1	0.2 mm
L921501-110	L922501-110	L923501-110	K	compensation	class 2	0.2 mm
L921601-110	L922601-110	L923601-110	S	compensation	class 2	0.2 mm

#### Glass silk insulation - Glass silk braid / Stainless steel braid - Withstands up to 250 °C

50 m reel	100 m reel	250 m reel	Type of TC	Cable type	Class	Diameter
L921409-110	L922409-110	L923409-110	K	compensation	class 2	1.34 mm
L921609-110	L922609-110	L923609-110	S	compensation	class 2	1.34 mm



## PROGRAMMABLE TEMPERATURE TRANSMITTERS

### Installed on DIN rail, they output a 4-20 mA signal and avoid the costly use of extension cables

PC programmable with the C.A 3299 kit. 3.75 kV galvanic insulation. Input types: Pt100/1000, Ni100/1000, TC, resistance, voltage (mV, V), current (mA). Programmable current / voltage output: 0 to 20 mA and 0 to 10 V DC.

#### Transmitters - 2-wire assembly or 4-wire assembly

Reference	Assembly	Model 1 or 2 channels
P01.6720.03	2-wire	C.A 3310A - 1 channel
P01.6720.13	2-wire	C.A 3310B - 2 channels
P01.6720.02	4-wire	C.A 3220A - 1 channel
P01.6720.12	4-wire	C.A 3220B - 2 channels

#### Programming kit

Reference	Designation
P01.6725.01	C.A 3299 programming kit for 2- and 4-wire Transmitters

#### Isolating transmitters - 4-wire assembly (4/20 mA < 4/20 mA)

Reference	Model 1 or 2 channels
P01.6720.01	C.A 3210A - 1 channel
P01.6720.11	C.A 3210B - 2 channels

#### Accessories

Reference	Designation
P01.6723.01	Connector CSF 59100 - Channel 1
P01.6723.02	Connector CSF 59130 - Channel 2



## TEMPERATURE SENSORS

### CADID assemblies

Straight pyrometric insertions for high temperature measurement. DAN type electrical connection in ingress protected head. Perfectly adapted for metal industries, heat treatments, etc.

#### Normal series: up to 1100 °C

Reference	Type of assembly	Thermocouple: number and type	Length of sheath
L602000-001	B	K	600 mm
L602000-002	B	K	1000 mm
L602000-003	B	2 x K	600 mm
L602000-004	B	2 x K	1000 mm
L603000-001	C	S	600 mm
L603000-002	C	S	1000 mm

Type B: metallic sheath in inconel 600.

Type C: same as B with a double-insulated interior sheath in ceramic 610.





### High temperature series: up to 1500 °C

Reference	Type of assembly	Thermocouple: number and type	Length of sheath
L608000-001	H	K	600 mm
L608000-002	H	K	1000 mm
L608000-003	H	S	600 mm
L608000-004	H	S	1000 mm
L609000-001	J	S	600 mm
L609000-002	J	S	1000 mm
L609000-003	J	2 x S	600 mm
L609000-004	J	2 x S	1000 mm

Type H: ceramic 610 sheath (for K-type TC) or in alumina 710 (for S-type TC)

Type J: ceramic 530 sheath with a double-insulated interior sheath in alumina 710

### Sheathed thermocouples

These thermocouples (J and K types) are fabricated in accordance to the NF-EN 61-615 standard.

Usable up to 600 °C with a sheath in stainless steel 304L and up to 1150 °C with a 6mm diameter sheath in inconel 600.

#### Type TCG3: stainless steel or inconel sheathed, PVC extension cable output

Reference	Type of TC	Type of sheath	Diameter of sheath	Length of sheath	Cable length
L220322-524	J	Stainless steel 304L	1 mm	1000 mm	2 m
L220323-507	J	Stainless steel 304L	1.5 mm	150 mm	2 m
L220323-714	J	Stainless steel 304L	1.5 mm	500 mm	4 m
L220323-524	J	Stainless steel 304L	1.5 mm	1000 mm	2 m
L220325-509	J	Stainless steel 304L	3 mm	250 mm	2 m
L220325-514	J	Stainless steel 304L	3 mm	500 mm	2 m
L220325-524	J	Stainless steel 304L	3 mm	1000 mm	2 m
L220352-514	K	Inconel 600	1 mm	500 mm	2 m
L220354-514	K	Inconel 600	2 mm	500 mm	2 m
L220354-524	K	Inconel 600	2 mm	1000 mm	2 m
L220355-509	K	Inconel 600	3 mm	250 mm	2 m
L220355-714	K	Inconel 600	3 mm	500 mm	4 m
L220355-524	K	Inconel 600	3 mm	1000 mm	2 m
L220355-534	K	Inconel 600	3 mm	2000 mm	2 m

#### Type TCG6: sheathed in stainless steel or inconel, standard male connector output

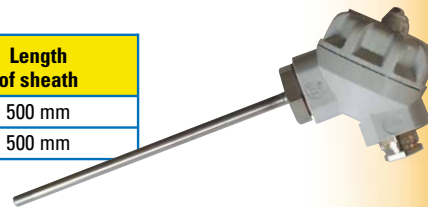
Reference	Type of TC	Type of sheath	Diameter of sheath	Length of sheath
L220624-024	J	Inox 304L	2 mm	1000 mm
L220625-014	J	Inox 304L	3 mm	500 mm
L220625-034	J	Inox 304L	3 mm	2000 mm
L220652-014	K	Inconel 600	1 mm	500 mm
L220654-010	K	Inconel 600	2 mm	300 mm
L220654-024	K	Inconel 600	2 mm	1000 mm
L220654-034	K	Inconel 600	2 mm	2000 mm
L220654-038	K	Inconel 600	2 mm	3000 mm
L220655-009	K	Inconel 600	3 mm	250 mm
L220655-014	K	Inconel 600	3 mm	500 mm
L220655-024	K	Inconel 600	3 mm	1000 mm
L220655-034	K	Inconel 600	3 mm	2000 mm
L220655-038	K	Inconel 600	3 mm	3000 mm
L220657-024	K	Inconel 600	6 mm	1000 mm
L220657-029	K	Inconel 600	6 mm	1500 mm

#### Extension pieces for TCG6: PVC cable with standard female connector

Reference	Type	Length
L225602-020	J	2 m
L225603-020	K	2 m

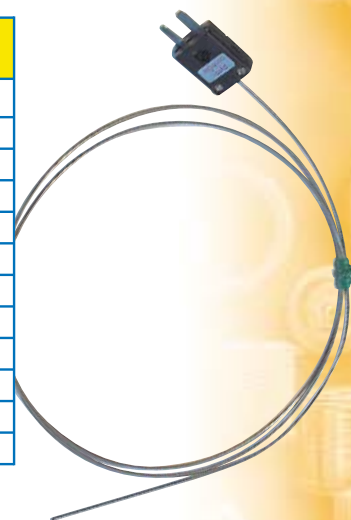
**Type TCG7: sheathed in stainless steel or inconel, PM connection head output**

Reference	Type of TC	Type of sheath	Diameter of sheath	Length of sheath
L220727-014	J	Stainless steel 304L	6 mm	500 mm
L220757-014	K	Stainless steel 304L	6 mm	500 mm



**Type TCG11: sheathed in stainless steel or inconel, miniature male connector output**

Reference	Type of TC	Type of sheath	Diameter of sheath	Length of sheath
L221122-009	J	Stainless steel 304L	1 mm	250 mm
L221123-014	J	Stainless steel 304L	1.5 mm	500 mm
L221123-024	J	Stainless steel 304L	1.5 mm	1000 mm
L221152-009	K	Inconel 600	1 mm	250 mm
L221152-016	K	Inconel 600	1 mm	600 mm
L221152-024	K	Inconel 600	1 mm	1000 mm
L221152-034	K	Inconel 600	1 mm	2000 mm
L221153-014	K	Inconel 600	1.5 mm	500 mm
L221153-024	K	Inconel 600	1.5 mm	1000 mm
L221153-038	K	Inconel 600	1.5 mm	3000 mm
L221154-020	K	Inconel 600	2 mm	800 mm
L221154-024	K	Inconel 600	2 mm	1000 mm



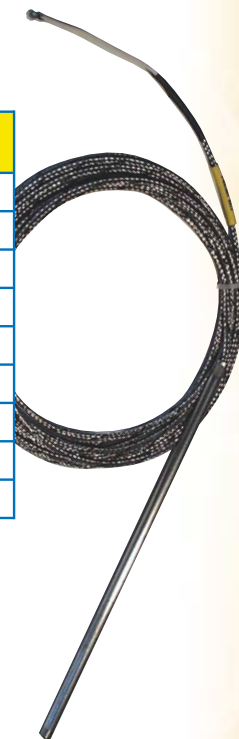
**Extension pieces for the TCG11: PVC cable with miniature female connector**

Reference	Type	Length
L225702-020	J	2 m
L225703-020	K	2 m

**Thermocouple sensors for general use**

These thermocouples (J and K types) are fabricated in accordance to the NF-EN 60-584 standard. They are protected with a sheath in stainless steel 316L and usable up to 400 °C.

Reference	Type of TC	Diameter of sheath	Length of sheath	Hot junction	Cable length
L915165-001	J	3.2 mm	50 mm	grounded	1 m
P07.6028.08	J	5 mm	200 mm	grounded	2.5 m
P07.6028.09	J	5 mm	200 mm	grounded	5 m
P07.6028.18	J	5 mm	200 mm	insulated	2.5 m
P07.6028.19	J	5 mm	200 mm	insulated	5 m
P07.6028.35	J	6 mm	200 mm	grounded	2.5 m
P07.6028.36	J	6 mm	200 mm	insulated	2.5 m
P07.6028.37	J	6 mm	200 mm	grounded	5 m
P07.6028.38	J	6 mm	200 mm	insulated	5 m



## Sheathed RTD 100 Ω sensors with cable output

These 3-wire platinum probe sensors are sheathed in stainless steel 316L.

Temperature up to + 200 °C . Class B as per NFC 42-330

Reference	Diameter of sheath	Length of sheath	Type of cable	Cable length
L300114-507	6 mm	150 mm	PVC	2 m
L300114-510	6 mm	300 mm	PVC	2 m
L301114-507	6 mm	150 mm	silicon	2 m
L301114-510	6 mm	300 mm	silicon	2 m
L301214-507	6 mm	150 mm	PTFE	2 m
L301214-510	6 mm	300 mm	PTFE	2 m
P07.6041.09	6 mm	100 mm	PTFE	2.5 m
P07.6041.12	6 mm	200 mm	PTFE	1.5 m
P07.6041.48	3 mm	60 mm	PTFE	1 m
P07.6040.28	10 mm	135 mm	silicon + stainless steel braid	1 m
P07.6040.30	10 mm	230 mm	silicon + stainless steel braid	1 m
P07.6040.95	10 mm	165 mm	silicon + stainless steel braid	1 m
P07.6040.97	10 mm	265 mm	silicon + stainless steel braid	1 m
P07.6040.98	10 mm	265 mm	silicon + stainless steel braid	2.5 m



Temperature up to + 450 °C . Class A as per NFC 42-330

Reference	Diameter of sheath	Length of sheath	Type of cable	Cable length
L330111-506	1.6 mm	100 mm	PVC	2 m
L330111-509	1.6 mm	250 mm	PVC	2 m
L330112-506	3.2 mm	100 mm	PVC	2 m
L330112-509	3.2 mm	250 mm	PVC	2 m
L330114-506	6 mm	100 mm	PVC	2 m
L330114-508	6 mm	200 mm	PVC	2 m
L330114-514	6 mm	500 mm	PVC	2 m

## Sheathed RTD 100 Ω sensors with a Souriau connector output

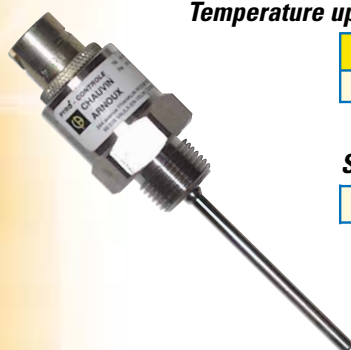
This 3-wire platinum probe sensor is sheathed in stainless steel 316L.

Temperature up to + 450 °C . Class A as per NFC 42-330

Reference	Diameter of sheath	Length of sheath	Mounting with threading
L330310-004	4 mm	60 mm	M 18 x 150

**Souriau extension piece**

L126010-000	3 pins with cable clamp (without cable)
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## Sheathed RTD 100 Ω sensors with connecting head output

These platinum probe sensors are sheathed in stainless steel 316L and equipped with different standardized head models. The sensitive element is Class B as per NF-C 42-330 standard (temperature up to + 200 °C) or Class A (temperature up to + 450 °C)

Reference	Type	Mounting	Connector	Diameter of sheath	Length of sheath
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### Temperature up to + 200 °C , Class B, PM head output

L300514-010	S5	1 x 3 wires	without	6 mm	300 mm
L300614-010	S6	1 x 3 wires	G 1/2" and sleeve	6 mm	300 mm
L300914-010	S9	1 x 3 wires	G 1/2"	6 mm	300 mm

### Temperature up to + 200 °C , Class B, MA head output

L305114-007	S5	1 x 3 wires	without	6 mm	150 mm
L305114-010	S5	1 x 3 wires	without	6 mm	300 mm
P07.6040.22	S9	1 x 3 wires	G 1/2"	5 mm	150 mm
P07.6040.23	S9	1 x 3 wires	G 1/2"	5 mm	300 mm
P07.6040.24	S9	1 x 3 wires	G 1/2"	5 mm	600 mm

### Temperature up to + 200 °C , Class B, DIN B head output

L305314-010	S52-200	1 x 3 wires	without	6 mm	300 mm
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### Temperature up to + 450 °C , Class A, PM head output

L330514-008	S5	1 x 3 wires	without	6 mm	200 mm
L330514-014	S5	1 x 3 wires	without	6 mm	500 mm
L330534-014	S5	2 x 2 wires	without	6 mm	500 mm
L330614-008	S6	1 x 3 wires	G 1/2" and sleeve	6 mm	200 mm
L330914-006	S9	1 x 3 wires	G 1/2"	6 mm	100 mm
L330914-007	S9	1 x 3 wires	G 1/2"	6 mm	150 mm
L330914-008	S9	1 x 3 wires	G 1/2"	6 mm	200 mm
L330914-011	S9	1 x 3 wires	G 1/2"	6 mm	350 mm

### Temperature up to + 450 °C , Class A, MA head output

L335114-007	S51	1 x 3 wires	without	6 mm	150 mm
L335114-010	S51	1 x 3 wires	without	6 mm	300 mm
L335134-010	S51	2 x 2 wires	without	6 mm	300 mm

### Temperature up to + 450 °C , Class A, DAN head output

P07.6041.31	107-03	1 x 3 wires	without	5 mm	150 mm
P07.6041.32	107-03	1 x 3 wires	without	5 mm	300 mm
P07.6041.33	107-03	1 x 3 wires	without	5 mm	600 mm
P07.6041.34	107-03	1 x 3 wires	without	6 mm	150 mm
P07.6041.36	107-03	1 x 3 wires	without	6 mm	600 mm

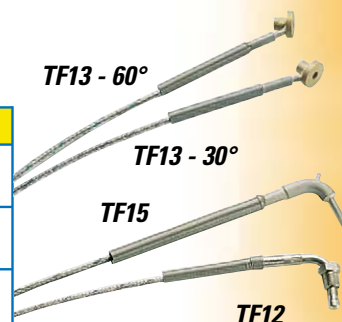


## Type L thermocouples for plastics industry

Stainless steel sheathed thermocouples, with grounded hot junction. 2m glass silk and stainless steel braid cable, 2 spade terminal tag output.

### Temperature up to + 400 °C

Reference	Type	Mounting	Tip	Sheath
P01.6029.08	elbowed TF12	swivel connector M 8x100	rounded Ø 6 mm	32 mm plunge 60 mm neck
P01.6029.10	TF13 for flat surface - 30°	screw in circular plate Ø int. 4.2 mm	Ø ext. 14 mm height 10 mm	30° inclination
P01.6029.11	TF13 for flat surface - 60°	screw in circular plate Ø int. 4.2 mm	Ø ext. 14 mm height 10 mm	60° inclination
P01.6029.09	TF15 elbowed	pin	rounded Ø 3.5 mm	20 mm plunge 80 mm neck



## Type J or L thermocouples, for plastics industry, with bayonet mounting

Thermocouples with stainless steel sheathed tip, with grounded hot junction.  
2 m glass silk and stainless steel braid cable, 2 terminal spade tag output.

Temperature up to + 400 °C

Reference	Type	TC	Rounded tip	Spring	Bayonet
P01.6029.05	TF5	J	Ø 5 x 30 mm	Ø 5 x 200 mm	Ø int. 10.6 mm
P01.6029.07	TF6	J	Ø 6 x 30 mm	Ø 5 x 200 mm	Ø int. 10.6 mm
P01.6029.06	TF5 R reduced tip	J	Ø 5 and reduction Ø 2.5 x 12 mm	Ø 5 x 200 mm	Ø int. 10.6 mm
P01.6029.01	TF16	L	Ø 8 x 12 mm	Ø 7 x 200 mm	Ø int. 12.5 mm
P01.6029.02	TF16D6	L	Ø 6 x 12 mm	Ø 6 x 200 mm	Ø int. 12.5 mm
P01.6029.03	TF4	L	Ø 8 x 12 mm	Ø 7 x 200 mm	Ø int. 15.5 mm
P01.6029.04	TF4D6	L	Ø 6 x 12 mm	Ø 6 x 200 mm	Ø int. 15.5 mm

## IRTC infrared pyrometric sensors

Measurement without surface temperature contact. Delivers a J or K type output signal.  
FEP insulated cable, in stainless steel braid, length 0.9 m. 2% accuracy for a 0.9 emissivity target.

Thermocouple output

Reference	Model	TC type output	Temperature range
P01.6061.01	IRTC 140	J	25 to 80 °C
P01.6061.02	IRTC 140	K	25 to 80 °C
P01.6061.03	IRTC 180	J	70 to 104 °C
P01.6061.04	IRTC 180	K	70 to 104 °C
P01.6061.05	IRTC 240	J	95 to 130 °C
P01.6061.06	IRTC 240	K	95 to 130 °C
P01.6061.07	IRTC 280	J	125 to 155 °C
P01.6061.08	IRTC 280	K	125 to 155 °C
P01.6061.09	IRTC 340	J	145 to 175 °C
P01.6061.10	IRTC 340	K	145 to 175 °C
P01.6061.11	IRTC 440	J	170 to 250 °C
P01.6061.12	IRTC 440	K	170 to 250 °C

## HUMIDITY SENSORS

### Humidity sensors HUMITOP

Model " 80 ": sensors with plunger for installation in housings or air ducts

Model " 120 ": sensors for making atmosphere measurements

Type H: relative humidity measurement from 30 % to 100 % RH

Type HT: temperature and humidity measurement, from 0 to 80 °C

Type HY: hygrometric detectors with 1 or 2 adjustable thresholds. Output on changeover contacts.

Setpoint adjustable inside the case (version i) or accessible from the outside.

Reference	Type / Model	Function
P01.6071.01	H 80	Humidity, with plunger
P01.6071.02	HT 80	Humidity and temperature, with plunger
P01.6072.01	H 120	Humidity, for ambient air
P01.6072.02	HT 120	Humidity and temperature, for ambient air
P01.6075.01	HY 80	Humidity detector with 1 threshold, with plunger
P01.6075.02	HY 80-2	Humidity detector with 2 thresholds, with plunger
P01.6076.01	HY 120	Humidity detector with 1 threshold, for ambient air
P01.6076.02	HY 120-2	Humidity detector with 2 thresholds, for ambient air
P01.6076.04	HY 120-2i	Humidity detector with 2 thresholds (internal), for ambient air

### Accessories for sensors with plungers

Reference	Designation
P01.6079.01	Bracket for wall mounting
P01.6079.02	Protective aluminum sheath

Model 120



## ANALOGUE TEMPERATURE CONTROLLERS

Particularly easy to use, these analogue controllers are used for basic control applications and temperature monitoring purposes, for example, in plastics technology and food processing.

### Analogue controllers - 48x48 mm format (1/16 DIN)

**STATOP 4841** : Proportional or On/Off control. Bicolored control leads.

**STATOP 4842** : Idem + 2 variance indicators (temperature measured above or below the setpoint value)

Reference	Input*	Scale*	Control output*	Variance indicator	Power supply
ST 4841	TC J or K or Pt 100 Ω	0...100 °C to 0...1200 °C	Changeover contact relay or logic voltage	—	200 V to 260 VAC
ST 4842	TC J or K or Pt 100 Ω	0...100 °C to 0...1200 °C	Changeover relay or logic voltage	2 (above and below)	200 V to 260 VAC

\*NB: When ordering, specify the input type, measurement scale and control output.



### Analogue controllers - 96x96 mm format (1/4 DIN)

**STATOP 4** : Proportional-derived or On/Off control. Control output by changeover relay.

Reference	Input	Scale	Alarm output	Power supply
P01.6136.01	TC J	0...300 °C	—	115 V to 230 VAC
P01.6136.02	TC J	0...400 °C	—	115 V to 230 VAC
P01.6137.01	Pt 100 Ω	0...120 °C	—	115 V to 230 VAC
P01.6140.01	TC J	0...300 °C	—	115 V to 230 VAC
P01.6140.02	TC J	0...400 °C	—	115 V to 230 VAC
P01.6141.01	Pt 100 Ω	0...120 °C	—	115 V to 230 VAC
P01.6144.01	TC J	0...300 °C	Relay	115 V to 230 VAC
P01.6144.02	TC J	0...400 °C	Relay	115 V to 230 VAC
P01.6145.01	Pt 100 Ω	0...120 °C	Relay	115 V to 230 VAC
P01.6140.11	TC J	0...300 °C	—	24 V to 230 VAC
P01.6149.01	<b>Replacement:</b> Multi-purpose housing for STATOP 4			

**STATOP 9601** : Proportional or On/Off control. Luminous output indicator.

**STATOP 9604** : Idem + digital display: 2000 measurement counts.

Reference	Input *	Scale *	Control output	Alarm output	Power supply
ST9601	TC J or K or Pt 100 Ω	0...100 °C to 0...1200 °C	Changeover relay	—	115 V to 230 VAC
ST9604	TC J or K or Pt 100 Ω	0...100 °C to 0...1200 °C	Changeover relay or logic voltage *	—	90 V to 260 VAC
ST9604	TC J or K or Pt 100 Ω	0...100 °C to 0...1200 °C	Changeover relay or logic voltage *	Relay	90 V to 260 VAC

\*NB: When ordering, specify the input type, measurement scale and control output for the STATOP 9604.



## DIGITAL TEMPERATURE CONTROLLERS

These controllers benefit from an autotuning P-I-D action function and integrate fuzzy logic.

Simple to use: the controller itself determines the parameters which are best suited for the process and applies them automatically. They are equipped with ramp, soak, and dwell functions.

### Digital controllers 24x48 mm format (1/32 DIN)

**STATOP 2449** : 10,000-count display. Front panel IP 65 ingress protected. 1 control channel and 1 alarm or 2 control channels without alarm. Input configurable for J, K, T, E, B, R, S, N type TCs or for Pt 100 Ω or analogue, voltages (0...1 V, 0...5 V, 1...5 V, 0...10 V) or currents (0...20 mA, 4...20mA).

Reference	Control output	Alarm output	Power supply
P01.6251.01	Relay	—	90 V to 260 VAC
P01.6251.02	Relay	Relay	90 V to 260 VAC
P01.6251.03	Logic voltage	Relay	90 V to 260 VAC
P01.6251.04	Analogue current 4...20 mA	Relay	90 V to 260 VAC
P01.6251.05	Analogue current 0...20 mA	Relay	90 V to 260 VAC
P01.6251.06	Analogue current 0...10 mA	Relay	90 V to 260 VAC



### Digital controllers 48x48 mm format (1/16 DIN)

**STATOP 4849** : 2 x 10,000-count displays, measurement and setpoint. 1 control channel and 1 alarm. Input configurable for J, K, T, E, B, R, S, N type TCs or for Pt 100 Ω.

Reference	Control output	Alarm output	Power supply
P01.6205.01	Changeover relay	—	90 V to 260 VAC
P01.6205.02	Changeover relay	Relay	90 V to 260 VAC
P01.6205.03	Logic voltage 24 V- 20 mA	—	90 V to 260 VAC
P01.6205.04	Logic voltage 24 V- 20 mA	Relay	90 V to 260 VAC
P01.6205.05	Analogue current 4...20 mA	Relay	90 V to 260 VAC





**STATOP 4850:** 2 x 10,000-count displays, measurement and setpoint. Front panel IP 65 ingress protected. 1 control channel and 2 alarms or 2 control channels and one alarm. Input configurable for J, K, T, E, B, R, S, N type TCs or for Pt 100 Ω or analogue, voltages (0...1 V, 0...5 V, 1...5 V, 0...10 V) or currents (0...20 mA, 4...20mA).

Reference	Control output 1	Control output 2 or Alarm output 2	Alarm output 1	Power supply
P01.6254.01	Relay	—	—	90 V to 260 VAC
P01.6254.03	Relay	Relay	Relay	90 V to 260 VAC
P01.6254.04	Logic voltage 24 V - 20 mA	Relay	Relay	90 V to 260 VAC
P01.6254.06	Logic voltage 24 V - 20 mA	Relay	Relay	90 V to 260 VAC
P01.6254.07	Analogue current 4...20 mA	Relay	Relay	90 V to 260 VAC

**Accessories for 48x48 format**

Reference	Designation
L918602-000	48x48 base for DIN rail
L880910-000	96x96 bracketing for 48x48 format

### Digital controllers 48x96 mm format (1/8 DIN)



**STATOP 4897:** 2 x 10,000-count displays, measurement and setpoint. 1 control channel and 2 alarms. Input configurable for J, K, T, E, B, R, S, N type TCs or for Pt 100 Ω.

Reference	Control output	Alarm output 1	Alarm output 2	Power supply
P01.6241.01	Relay	—	—	90 V to 260 VAC
P01.6241.02	Relay	Relay	Relay	90 V to 260 VAC
P01.6241.03	Logic voltage 24 V - 20 mA	—	—	90 V to 260 VAC
P01.6241.04	Logic voltage 24 V - 20 mA	Relay	Relay	90 V to 260 VAC
P01.6241.05	Analogue current 4...20 mA	Relay	Relay	90 V to 260 VAC



**STATOP 4899:** 2 x 10,000-count displays, measurement and setpoint. 2 control channels and 2 alarms. Input configurable for J, K, T, E, B, R, S, N type TCs or for Pt 100 Ω.

Reference	Control output 1	Control output 2	Alarm output 1	Alarm output 2	Power supply
P01.6243.01	Relay	Relay	—	—	90 V to 260 VAC
P01.6243.02	Relay	Relay	Relay	Relay	90 V to 260 VAC
P01.6243.03	Analogue current 4...20 mA	Relay	—	—	90 V to 260 VAC
P01.6243.04	Analogue current 4...20 mA	Relay	Relay	Relay	90 V to 260 VAC

### Digital controllers 96x96 mm format (1/4 DIN)



**STATOP 9620:** 2 x 10,000-count displays, measurement and setpoint. 1 control channel and 2 alarms. Input configurable for J, K, T, E, B, R, S, N type TCs or for Pt 100 Ω.

Reference	Control output	Alarm output 1	Alarm output 2	Power supply
P01.6246.01	Relay	—	—	90 V to 260 VAC
P01.6246.02	Relay	Relay	Relay	90 V to 260 VAC
P01.6246.03	Logic voltage 24 V - 20 mA	—	—	90 V to 260 VAC
P01.6246.04	Logic voltage 24 V - 20 mA	Relay	Relay	90 V to 260 VAC
P01.6246.05	Analogue current 4...20 mA	Relay	Relay	90 V to 260 VAC



**STATOP 9630:** 2 x 10,000-count displays, measurement and setpoint. 2 control channels and 2 alarms. Input configurable for J, K, T, E, B, R, S, N type TCs or for Pt 100 Ω.

Reference	Control output 1	Control output 2	Alarm output 1	Alarm output 2	Power supply
P01.6248.01	Relay	Relay	—	—	90 V to 260 VAC
P01.6248.02	Relay	Relay	Relay	Relay	90 V to 260 VAC
P01.6248.03	Analogue current 4...20 mA	Analogue current 4...20 mA	—	—	90 V to 260 VAC
P01.6248.04	Analogue current 4...20 mA	Analogue current 4...20 mA	Relay	Relay	90 V to 260 VAC

**STATOP 9625:** 2 x 10,000-count displays, measurement and setpoint. 1 control channel and 2 alarms or 2 control channels and 1 alarm. Input configurable for J, K, T, E, B, R, S, N type TCs or for Pt 100 Ω or analogue, voltages (0...1 V, 0...5 V, 1...5 V, 0...10 V) or currents (0...20 mA, 4...20mA).

Reference	Control output 1	Control output 2	Alarm output 1	Alarm output 2	Power supply
P01.6261.01	Relay	—	—	—	90 V to 260 VAC
P01.6261.02	Relay	—	Relay	Relay	90 V to 260 VAC
P01.6261.03	Logic voltage 24 V- 20 mA	—	—	—	90 V to 260 VAC
P01.6261.04	Logic voltage 24 V- 20 mA	—	Relay	Relay	90 V to 260 VAC
P01.6261.05	Analogue current 4...20 mA	—	Relay	Relay	90 V to 260 VAC

**STATOP 9635:** 2 x 10,000-count displays, measurement and setpoint. 2 control channels and 2 alarms. Input configurable for J, K, T, E, B, R, S, N type TCs or for Pt 100 Ω or analogue, voltages (0...1 V, 0...5 V, 1...5 V, 0...10 V) or currents (0...20 mA, 4...20mA).

Reference	Control output 1	Control output 2	Alarm output 1	Alarm output 2	Power supply
P01.6263.01	Relay	Relay	—	—	90 V to 260 VAC
P01.6263.02	Relay	Relay	Relay	Relay	90 V to 260 VAC
P01.6263.03	Analogue current 4...20 mA	Relay	Relay	Relay	90 V to 260 VAC



Options to be specified when ordering the STATOP 2449, 4850, 9625, & 9635 \*

RS485 transmission card - 4/20mA analogue transmission card - 0/20mA analogue transmission card -

0/10 V analogue transmission card

\*NB: can not be sold separately

## SOLID STATE RELAYS

Full oscillation function with zero cut-out for voltage (On / Off), for control of resistive loads. Driven by STATOP temperature controllers. Mounting on DIN rail or in electrical cabinet.

### THYRITOP 1

Single-phase solid state relays with control by DC logic voltage.

Reference	Nominal voltage	Nominal Intensity	Dimensions	Weight
P01.6460.01	48 V to 660 V	25 A	22.5 x 98 x 102.8 mm	250 g
P01.6460.02	48 V to 660 V	45 A	45 x 98 x 102.8 mm	490 g



### THYRITOP 20

Single-phase solid state relays with control by logic voltage, dry contact or digital via bus modules. Equipped with a high-speed fuse. Optional load break detection adjusted with relay alarm. Digital communication via Profibus and Modbus modules.

Reference Un = 230 V	Reference Un = 400 V	Nominal Intensity	Alarm	Dimensions L, H, P	Weight
P01646521	P01646530	8 A	—	40 x 121 x 127 mm	0.6 kg
P01646522	P01646531	16 A	—	45 x 121 x 127 mm	0.7 kg
P01646523	P01646532	30 A	—	45 x 121 x 127 mm	0.7 kg
P01646524	P01646533	45 A	—	52 x 190 x 182 mm	1.7 kg
P01646525	P01646534	60 A	—	52 x 190 x 182 mm	1.7 kg
P01646526	P01646535	100 A	—	75 x 190 x 190 mm	1.9 kg
P01646527	P01646536	130 A	—	125 x 320 x 237 mm	4 kg
P01646528	P01646537	170 A	—	125 x 320 x 237 mm	4 kg
P01646529	P01646538	280 A	—	125 x 320 x 237 mm	5 kg
P01646548	P01646557	8 A	Relay	40 x 121 x 127 mm	0.6 kg
P01646549	P01646558	16 A	Relay	45 x 121 x 127 mm	0.7 kg
P01646550	P01646559	30 A	Relay	45 x 121 x 127 mm	0.7 kg
P01646551	P01646560	45 A	Relay	52 x 190 x 182 mm	1.7 kg
P01646552	P01646561	60 A	Relay	52 x 190 x 182 mm	1.7 kg
P01646553	P01646562	100 A	Relay	75 x 190 x 190 mm	1.9 kg
P01646554	P01646563	130 A	Relay	125 x 320 x 237 mm	4 kg
P01646555	P01646564	170 A	Relay	125 x 320 x 237 mm	4 kg
P01646556	P01646565	280 A	Relay	125 x 320 x 237 mm	5 kg

Accessories and options

Reference	Designation
P01646951	Adapter n° 1 for 35 mm symmetric DIN rail
P01646952	Profibus DP module
P01646953	Modbus RTU module
P01646931	THYROTOOL software



# Chauvin Arnoux Group's areas of competence

## CHAUVIN ARNOUX

### TEST & MEASUREMENT

*Hand-held, field, and laboratory test  
and measurement instruments*

## ENERDIS

*Systems and equipment for the  
measurement, control, metering  
and monitoring of electrical networks*

## MANUMESURE

*Repair, testing, calibration  
and maintenance of electronic  
instruments, on or off site*

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