CROUZET CONTROL

48 x 48 Max. Counting Speed 5 KHZ Green backlit LCD display Part number 87629124



- Counter, Preselection chronometer
- Maximum input frequency 5 k Hz
- Simple parameter setting, configuration using text menus
- Easy modification of presets
- Multiplication factor
- 3 A changeover relay
- Backlit LCD display (green) : 6 digits, height 9 mm
- IP 65 sealed panel
- Option of locking the keypad, completely or partially (preset, programming)
- Accessories for 72 x 72 or 55 x 55 cut-out, DIN rail adaptor

Part numbers

	Type	Functions	Preset	Voltages	Output
87629124	Green backlit LCD display	Counter, Preselection chronometer	2	230 VAC	1 changeover relay, 1 NO relay

Specifications

Physical details and protection

Supply	11 →30 VDC / 115 V AC / 230 VAC
Relative humidity (no condensation)	EN 60068-2-30 40/93 % RLF
Altitude	0 < 2000 m
Certifications	CE
Vibration resistance in 3 axes	10-55 Hz/1 min/XYZ EN 60068-2-6 : 30 min. in each direction
Connection by screw terminals	Débrochable
Protection	Conforming to standard EN 60529 IP65 for panel/IP20 for connections
Front panel watertight seal	•
Temperature limits use (°C)	-10 →+50
Temperature limits stored (°C)	-25 →+75
Weight (g)	150 DC version 250 AC version

General characteristics

Reset to zero or to preset	On panel : if not locked during programming Electrical : automatic, voltage or solid state (NPN or PNP depending on programming)
Minimum pulse time	Impulse counter : < 15 ms Chronometer : 500 µs
Option to protect against reset from front panel	•
Scale factor (each input pulse is multiplied by this figure)	00,0001 →99,9999
Decimal point selectable for ease of reading	0 0,0 0,00 0,000 0,0000 0,00000
Sensor supply version AC	-40/+15 % 50 mA 230 VAC -40/+15 % 40 mA 115 VAC
Programming and current value backed up via EEPROM memory	• Service life 10 years

Operating characteristics

Functions	Preselection counter, Chronometer
Number of presets	1 or 2
Display	LCD with green backlighting
Height digits (mm)	LCD 9
Display details	- 999 999 →999 999

Inputs specifications

Inputs	2 counter inputs 1 reset input, 1 locking input
Input modes	Dir : Directional AS : up/dn PP : phase
Input type	Voltage or solid state
High level	3,5 →30 VDC
Low level	0 →2 VDC

Relay output characteristics

Changeover relay	•
NO contact	Depending on version
Maximum current	3 A
Minimum current	30 mA

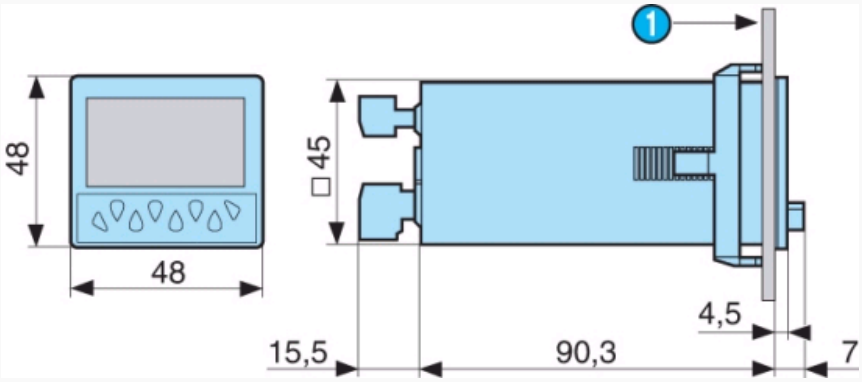
Unless otherwise specified, the characteristics given are applicable to all or part of the product range selected

Maximum voltage	30 VDC / 250 VAC
Min. voltage	5 VAC/DC
Response time	< 10 ms
Mechanical life (operations)	20 x 10^6
Number of operations	1 x 10^5
Output modes : maintained or pulsed	0.01 →99.99 s

Accessories

Description	Code
Adaptor for 72 x 72 mm cut-out	26546842
Adaptor for 55 x 55 mm cut-out	26546846
DIN rail adaptor	26546841

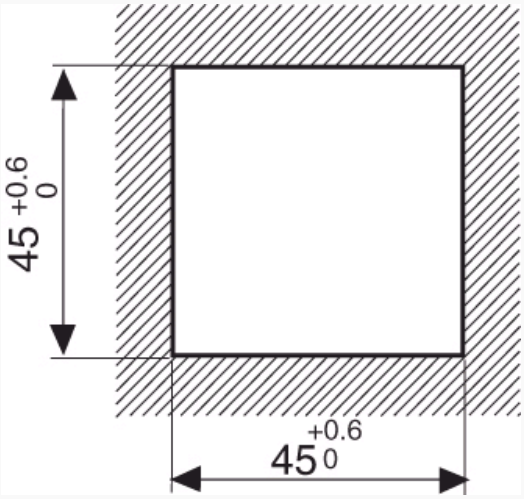
Dimensions (mm)



N°	Legend
1	10.5 max

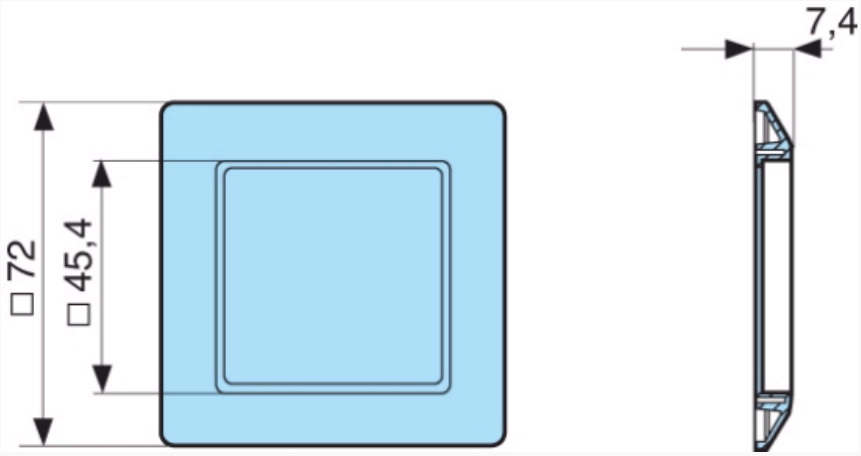
Dimensions (mm)

Panel cut-out



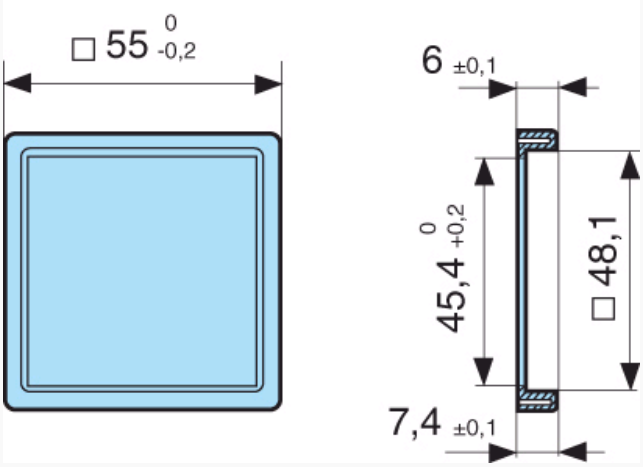
Dimensions (mm)

26546842 - Adaptor for 72 x 72 mm cut-out



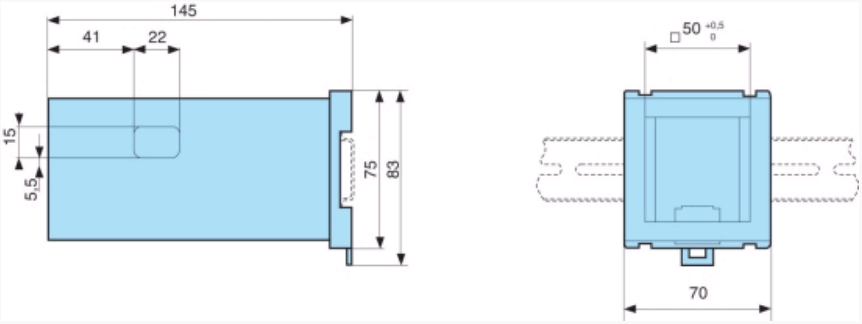
Dimensions (mm)

26546846 - Adaptor for 55 x 55 mm cut-out



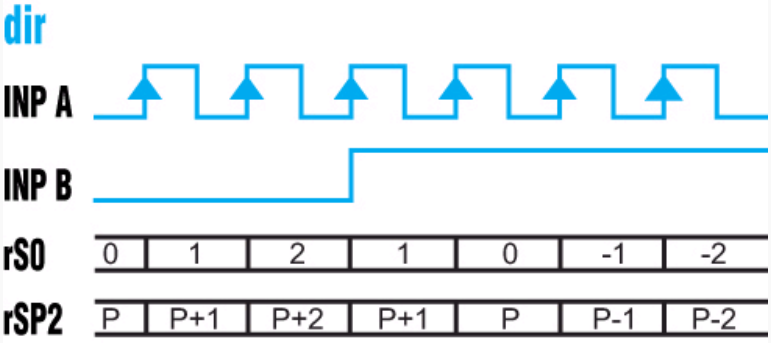
Dimensions (mm)

26546841 - DIN rail adaptor



Curves

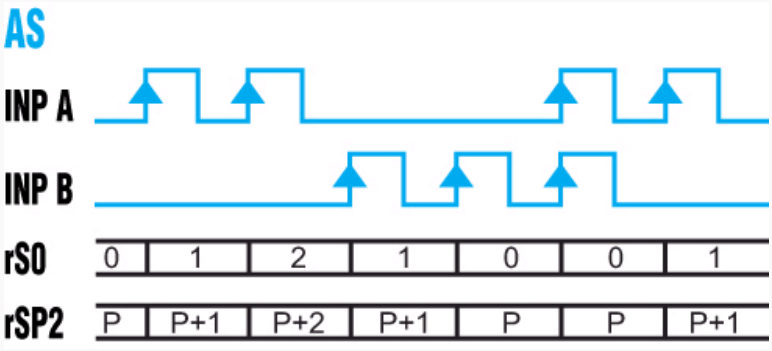
Counter : dir



Inp A : counter input Inp B : count direction rS0 : Display 0 →Preset rSP2 : Display Preset →0

Curves

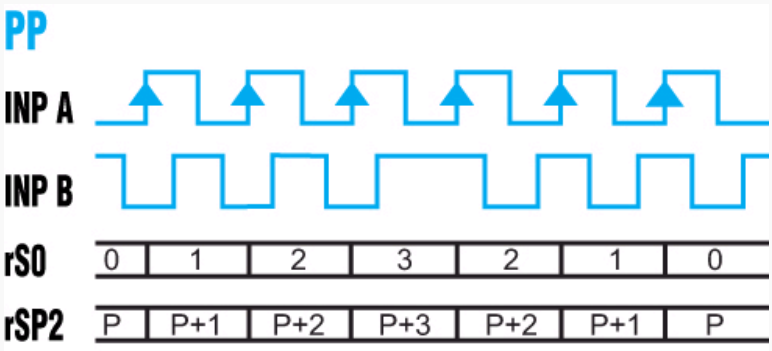
Counter : AS



Inp A : Add. counter input 1 Inp B : Sub. counter input 2 rS0 : Display 0 →Preset rSP2 : Display Preset →0

Curves

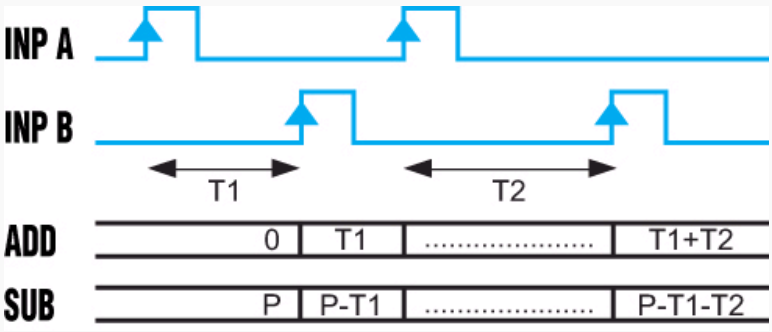
Counter : PP



A 90° B Inp A : counter input counting on an edge Inp B : reversal of direction rS0 : Display 0 →Preset rSP2 : Display Preset →0

Curves

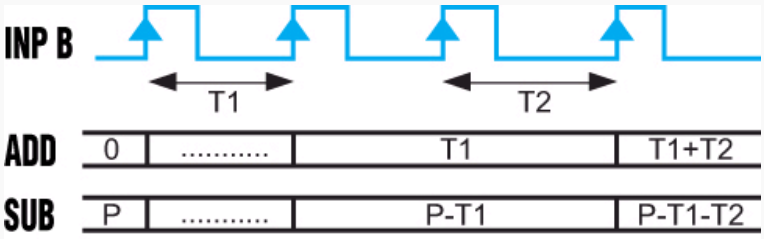
Chronometer : Start tcCAb



Inp A : On Inp B : Off Add : Display 0 →Preset Sub : Display Preset →0

Curves

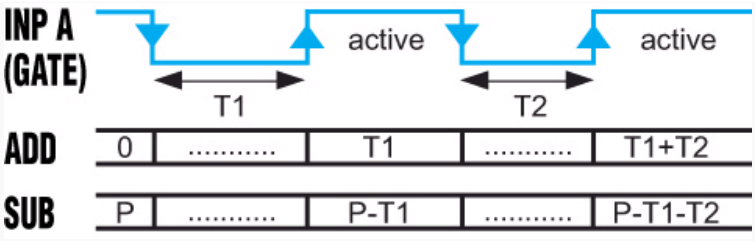
Chronometer : Start tcCbb



Inp A : No function Inp B : On/Off RS0/RSP2 Add : Display 0 →Preset Sub : Display Preset →0

Curves

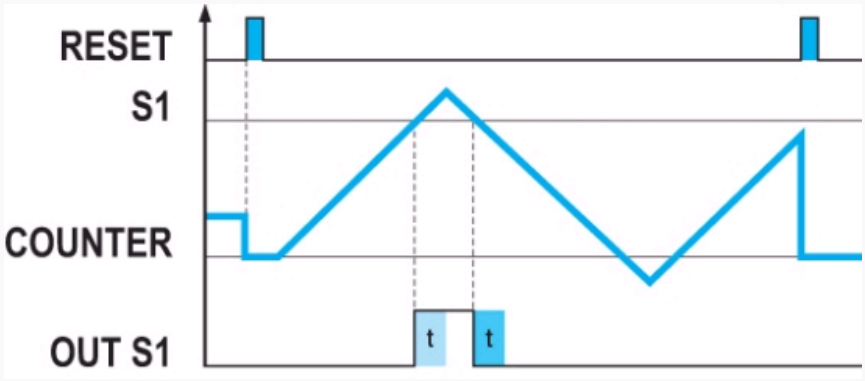
Chronometer : Start FrErun



InpA : Gate Time measurement via InpA InpB : No function

Curves

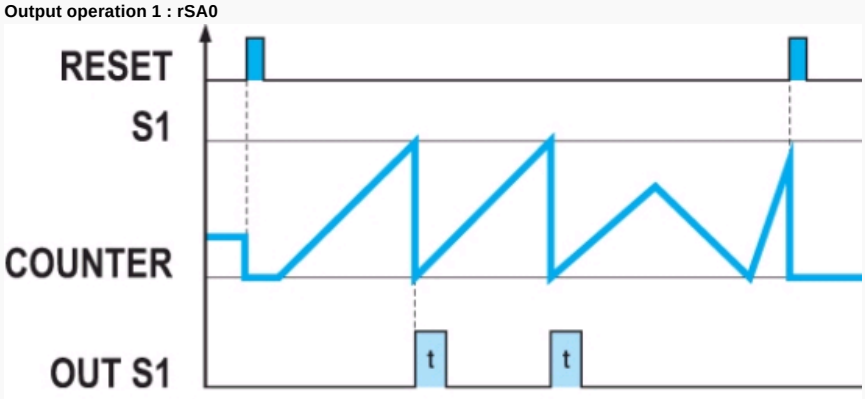
Output operation 1 : rS0



InpA : Gate Time measurement via InpA InpB : No function

Curves

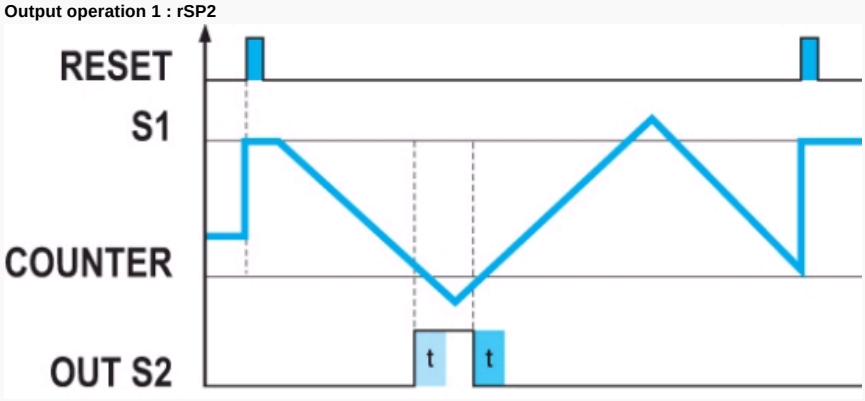
Output operation 1 : rSA0



InpA : Gate Time measurement via InpA InpB : No function

Curves

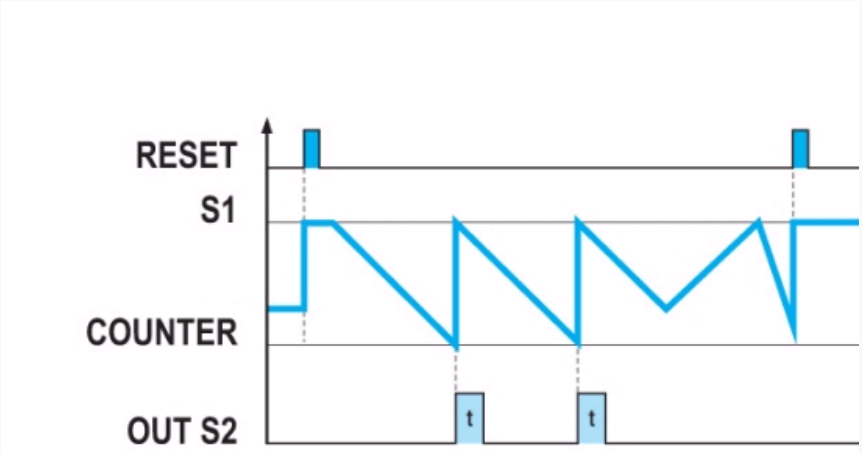
Output operation 1 : rSP2



InpA : Gate Time measurement via InpA InpB : No function

Curves

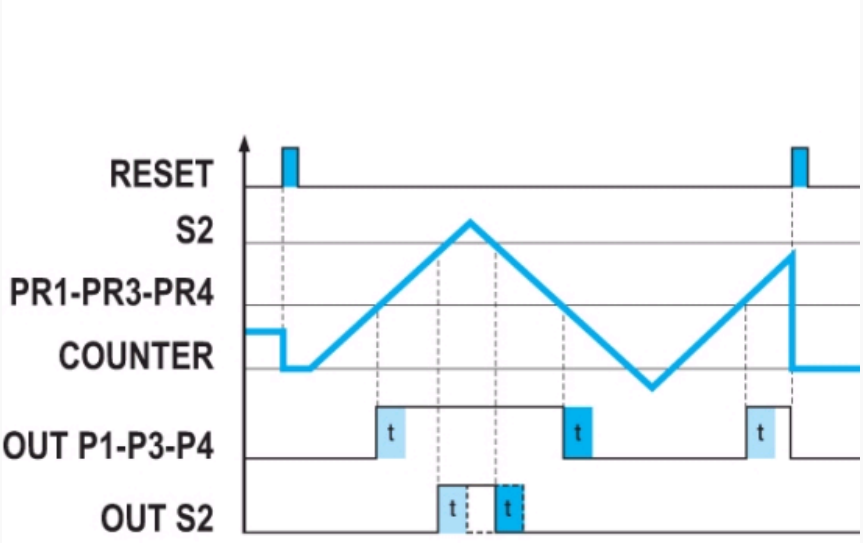
Output operation 1 : rSAP2



InpA : Gate Time measurement via InpA InpB : No function

Curves

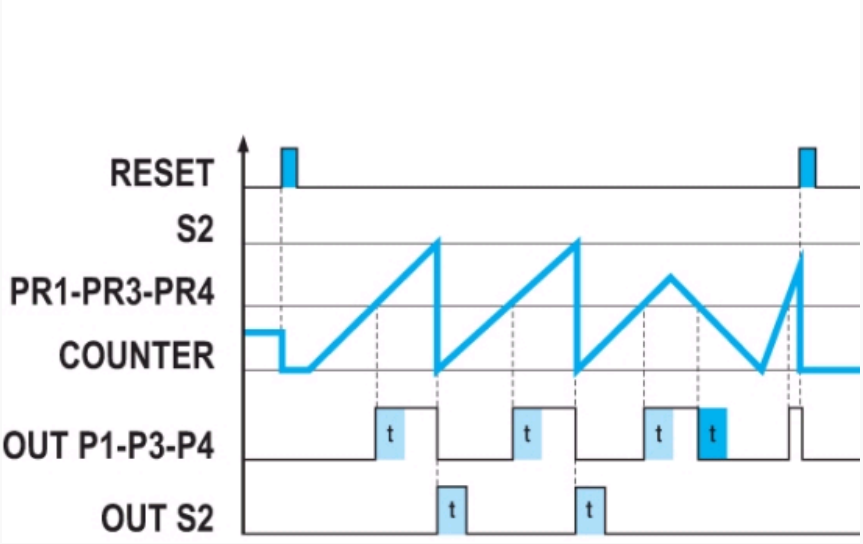
Output operation 2 : rS0



InpA : Gate Time measurement via InpA InpB : No function

Curves

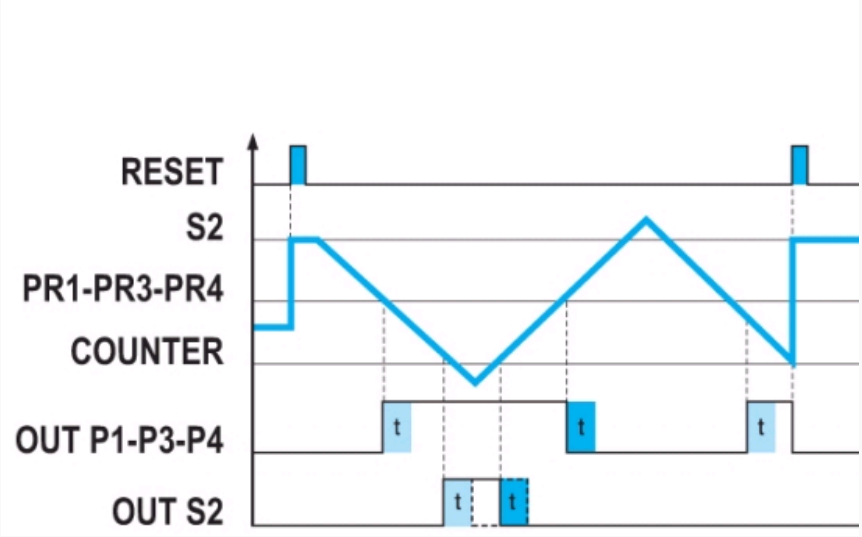
Output operation 2 : rSA0



InpA : Gate Time measurement via InpA InpB : No function

Curves

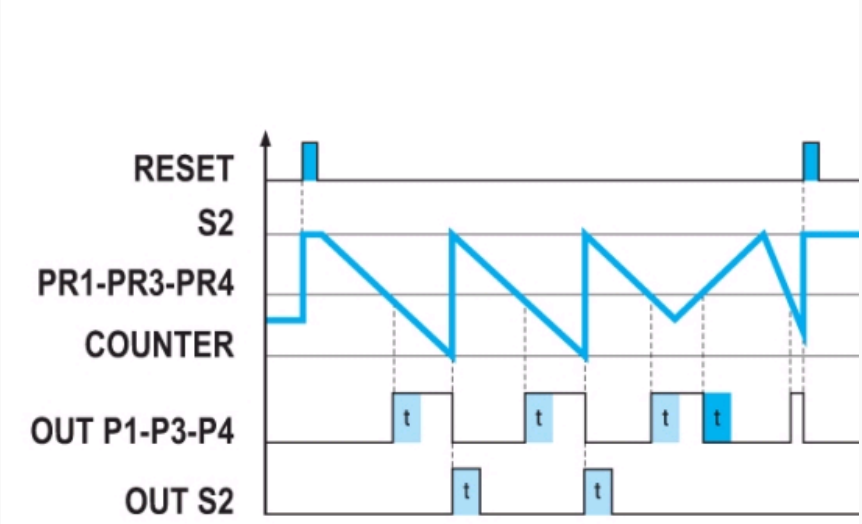
Output operation 2 : rSP2



InpA : Gate Time measurement via InpA InpB : No function

Curves

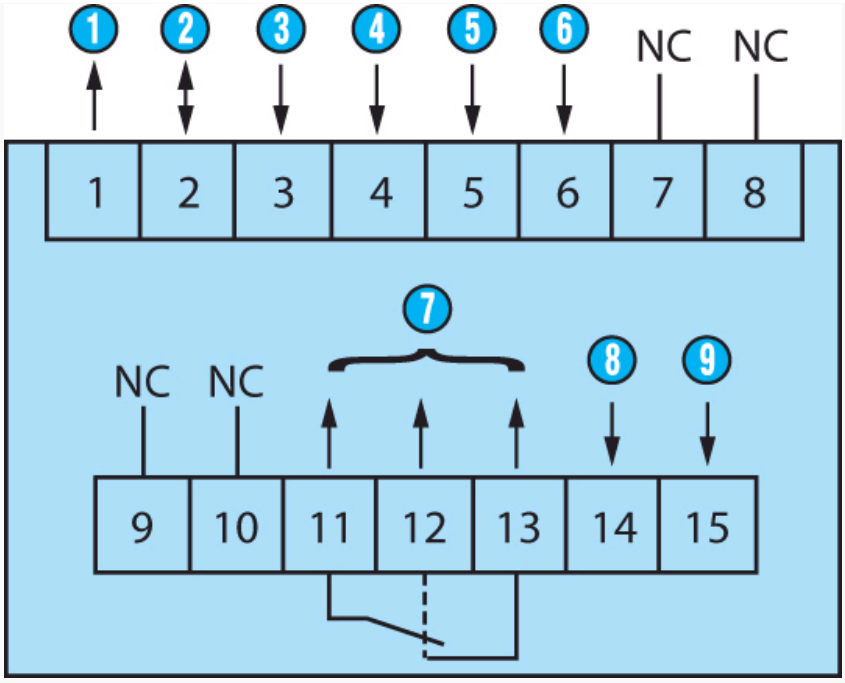
Output operation 2 : rSAP2



InpA : Gate Time measurement via InpA InpB : No function

Connections

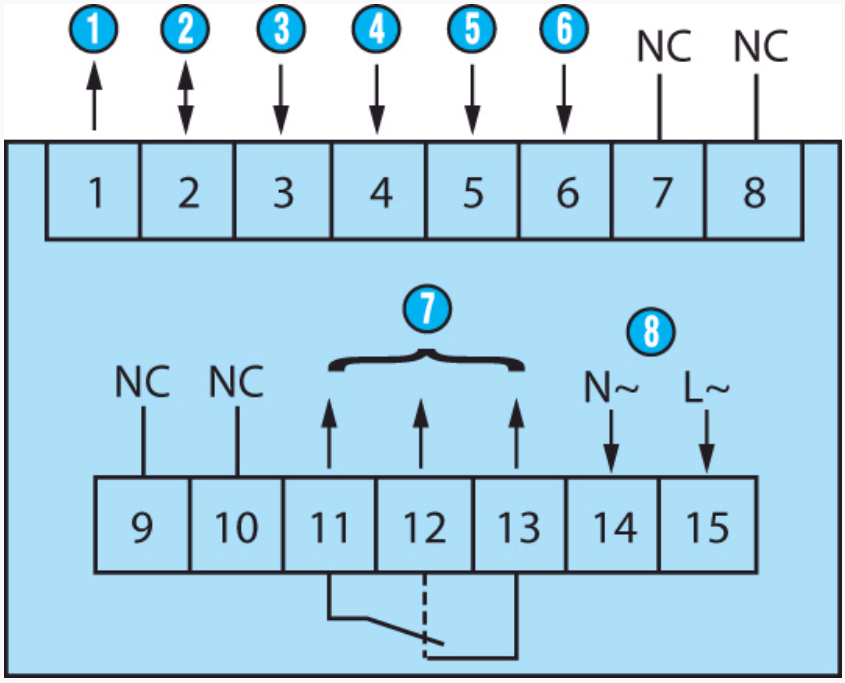
87629111



Nº	Legend
1	Sensor voltage supply (* UB interconnected)
2	GND (0 VDC)
3	INP A (signal A input)
4	INP B (signal B input)
5	Reset (Reset input)
6	Lock (locking switch input)
7	11-12-13 : Output 1
8	14-15 : Supply
9	Power supply - GND

Connections

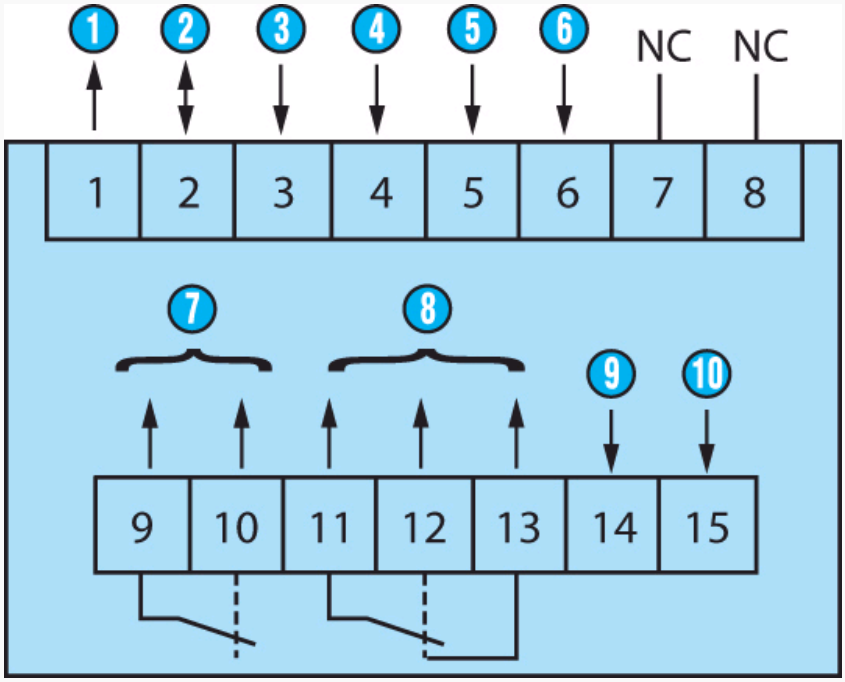
87629113 / 114



Nº	Legend
1	Sensor voltage supply
2	GND (0 VDC)
3	INP A (signal A input)
4	INP B (signal B input)
5	Reset (Reset input)
6	Lock (locking switch input)
7	11-12-13 : Output 1
8	14-15 : Supply

Connections

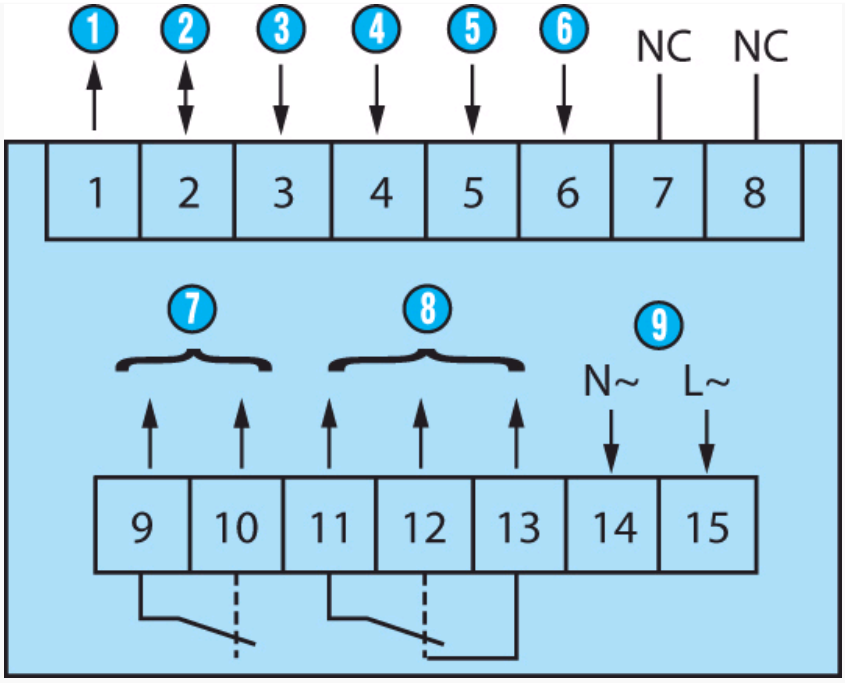
87629121



Nº	Legend
1	Sensor voltage supply (* UB interconnected)
2	GND (0 VDC)
3	INP A (signal A input)
4	INP B (signal B input)
5	Reset (Reset input)
6	Lock (locking switch input)
7	9-10 : Output 1
8	11-12-13 : Output 2
9	14-15 : Supply
10	Power supply - GND

Connections

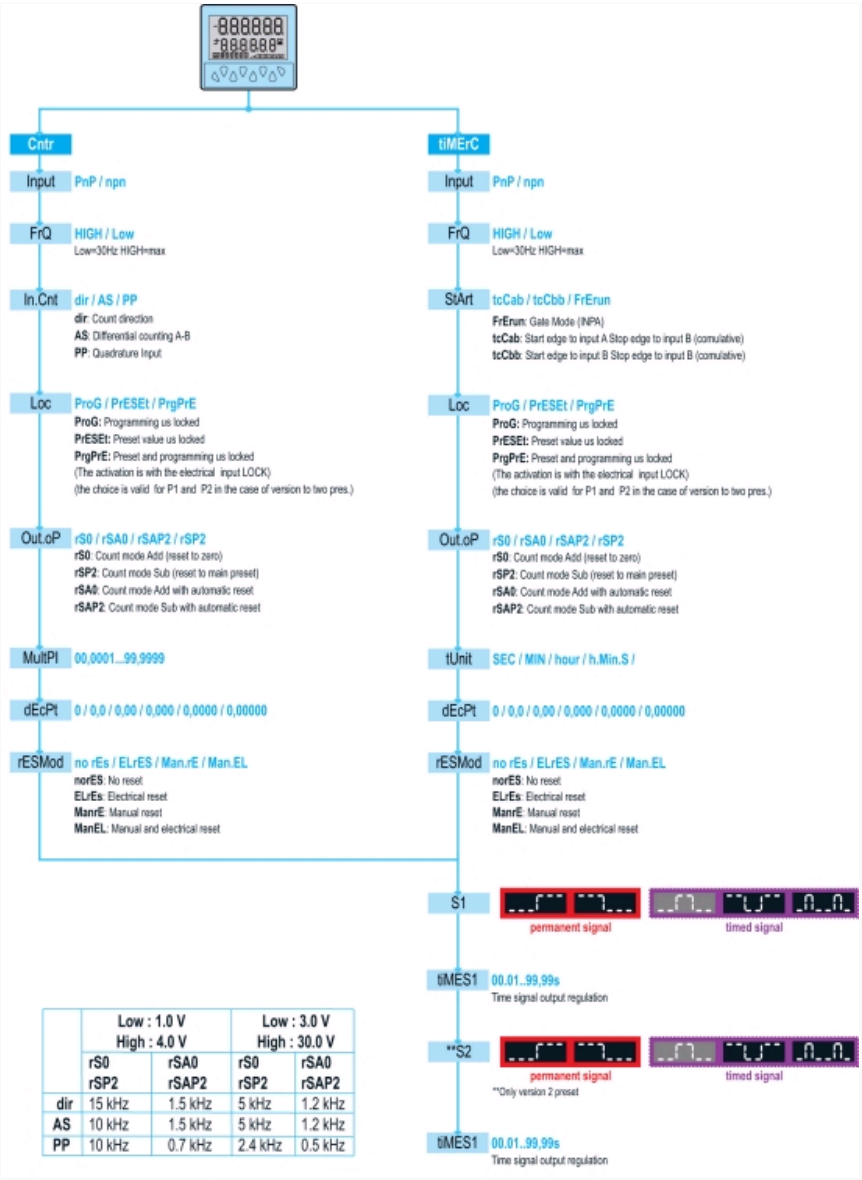
87629123 / 124



N°	Legend
1	Sensor voltage supply
2	GND (0 VDC)
3	INP A (signal A input)
4	INP B (signal B input)
5	Reset (Reset input)
6	Lock (locking switch input)
7	9-10 : Output 1
8	11-12-13 : Output 2
9	14-15 : Supply

Applications

Programming diagram



	Low : 1.0 V High : 4.0 V		Low : 3.0 V High : 30.0 V	
	rS0 rSP2	rSA0 rSAP2	rS0 rSP2	rSA0 rSAP2
dir	15 kHz	1.5 kHz	5 kHz	1.2 kHz
AS	10 kHz	1.5 kHz	5 kHz	1.2 kHz
PP	10 kHz	0.7 kHz	2.4 kHz	0.5 kHz

Unless otherwise specified, the characteristics given are applicable to all or part of the product range selected