

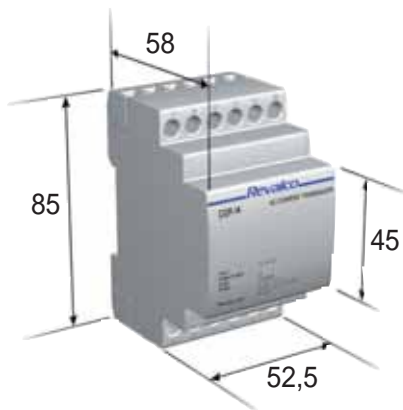
MEASUREMENT TRANSDUCERS



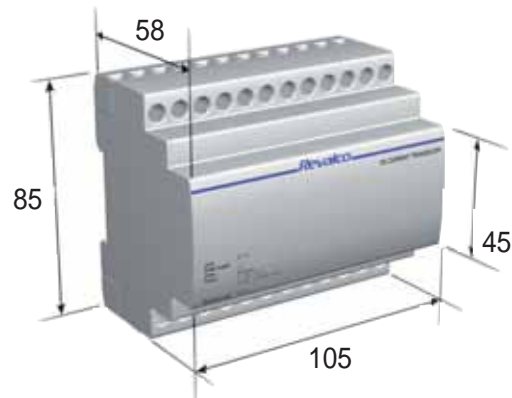
GENERAL DESCRIPTION

- The transducer is a device that measures a given electrical parameter, which is then through electronic circuitry, converted to a DC signal, which is directly proportional to the input, to allow remote indication without loss of accuracy.
- The **Revalco** range of transducers, having galvanic separation between Input and Output, has been developed to a high specification giving the user, confidence with the Accuracy and Linearity over a wide range of measured parameters. Having Low Power Consumption while being unaffected by any changes in Temperature, Vibration or Load, ensures this range is suitable for many applications in the Power Monitoring and Distribution fields.
- **Revalco** transducers have been designed with the ever changing needs of the market in mind. Each item has incorporated the ability to select any of the recognised outputs of both DC mA and DC V by simple selection of minidip keys located under a removable section of the upper case wall

DIMENSIONS in mm



- The 52,5 mm dimension corresponds to 3 DIN modules (17,5 mm each)



- The 105 mm dimension corresponds to 6 DIN modules (17,5 mm each)

POWER SUPPLIES

- AC auxiliary power supplies can be the following: 24V – 110V – 230V (standard)
- DC auxiliary power supplies can be the following: 12VDC (range from 10 to 15VDC)
24VDC (range from 20 to 28VDC)
48VDC (range from 40 to 60VDC)
110VDC (range from 90 to 150VDC)

ORDERING DATA

- The three phase active and reactive power transducers are calibrated with the following standard values:
Current input 5A and the primary values are selectable by minidips
Voltage input 400V
- On request it is possible to calibrate the transducers with the following parameters which must be indicated when ordering:
Current input 1A
Voltage input: 100/√3V, 110/√3V, 100V, 110V, 230V, 440V, 500V
- When ordering, the end scale value must be indicated

CURRENT TRANSDUCERS



1CORIA - Alternated Current

1CORIC - Direct Current

	230V AC standard	
AUXILIARY SUPPLY (separate)		60 mV standard
NOMINAL INPUT VALUES	1A and 5A present on the same transducer	
NOMINAL OUTPUT VALUES (selectable)	1 - 5 - 10 VDC and	1 - 5 - 10 - 20 - 4/20 mA DC
RESISTIVE LOAD	700Ω	
MEASURING RANGE	0 ÷ I _n	
ACCURACY CLASS	0,5	
OVERLOAD	Permanent: 2 I _n	Instantaneous: 10 I _n for 1 sec.
RESPONSE TIME	≤ 300 ms	
ALTERNATED RESIDUAL	≤ 1%	
OPERATING FREQUENCY	50/60 Hz	
BURDEN	current circuit: ≤ 0,8 VA - power supply: ≤ 4VA	power supply: 4VA
GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS		
	2kV for 1min at 50Hz	
	4kV for 1min at 50Hz	
	0 °C ÷ +55 °C	
OPERATING TEMPERATURE	OS	
INPUT WAVE FORM (page 107)	3 DIN modules / 0,27	6 DIN modules / 0,50
DIMENSIONS / WEIGHT Kg.	107	108
For the connection diagram see page:		
Different technical characteristic can be considered, under specific requests		

VOLTAGE TRANSDUCERS



1CORUA - Alternated Voltage

1CORUC - Direct Voltage

	230V AC standard	
AUXILIARY SUPPLY (separate)	to be specified when ordering	
NOMINAL INPUT VALUES		
NOMINAL OUTPUT VALUES (selectable)	1 - 5 - 10 VDC and	1 - 5 - 10 - 20 - 4/20 mA DC
RESISTIVE LOAD	700Ω	
MEASURING RANGE	0 ÷ I _n	
ACCURACY CLASS	0,5	
OVERLOAD	Permanent: 2 I _n	Instantaneous: 10 I _n for 1 sec.
RESPONSE TIME	≤ 300 ms	
ALTERNATED RESIDUAL	≤ 1%	
OPERATING FREQUENCY	50/60 Hz	
BURDEN	current circuit: ≤ 0,8 VA - power supply: ≤ 4VA	power supply: 4VA
GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS		
	2kV for 1min at 50Hz	
	4kV for 1min at 50Hz	
	0 °C ÷ +55 °C	
OPERATING TEMPERATURE	OS	
INPUT WAVE FORM (page 107)	3 DIN modules / 0,27	6 DIN modules / 0,50
DIMENSIONS / WEIGHT Kg.	106	106
For the connection diagram see page:		
Different technical characteristic can be considered, under specific requests		

FREQUENCY TRANSDUCERS



1CORF

- AUXILIARY SUPPLY (separate)
- NOMINAL INPUT VALUES
- NOMINAL OUTPUT VALUES (selectable)
- RESISTIVE LOAD
- MEASURING RANGE
- ACCURACY CLASS
- OVERLOAD
- RESPONSE TIME
- ALTERNATED RESIDUAL
- BURDEN
- GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS
 - insulation between inputs, outputs, power supply
 - insulation between the all circuits and earth
- OPERATING TEMPERATURE
- INPUT WAVE FORM (page 107)
- DIMENSIONS / WEIGHT Kg.
- For the connection diagram see page:
- Different technical characteristic can be considered, under specific requests

230V AC standard
 voltage: 100V ÷ 500V AC
 1 - 5 - 10 - VDC and 1 - 5 - 10 - 20 - 4/20 mA DC
 700Ω
 45 / 65 Hz standard (other on request)
 0,5
Permanent: 1,2 Un **Instantaneous:** 2 Un for 1 sec.
 ≤ 300 ms
 ≤ 1%
 voltage ≤ 1VA power supply ≤ 4VA
 2kV for 1min at 50Hz
 4kV for 1min at 50Hz
 0 °C ÷ +55 °C
 OS - OQ - OSP
 3 DIN modules / 0,25
 109

SIGNAL TRANSDUCERS / REPEATERS / DIVIDERS

1CORCRS + 1CORTRA



The Signal range of **Transducer** has been designed as two separate units. With this design it is also possible to use these units as **Signal Repeaters** and **Signal Dividers**.

The 1CORCRS has incorporated the ability to receive any of 8 recognised DC values (1- 5- 10 VDC or 1-5-10-20-4/20mA DC) selected by minidip key located under a removable section of the upper case wall and by terminal selection. As well as acting as the receiver this unit gives a digital signal to the transmitter unit 1CORTRA, which in turn has incorporated the ability to select any of 8 Outputs (1-5-10 VDC or 1-5-10-20-4/20mA DC) selected in the same method by use of minidip keys and by terminal selection.

The development of a digital signal between the two units ensures that the system is not affected by any disturbance and also permits the sending of the 1CORCRS measurement over long distances of up to 1 km without any loss of signal strength.

- AUXILIARY SUPPLY (separate)
- NOMINAL INPUT VALUES (selectable)
- NOMINAL OUTPUT VALUES (selectable)
- RESISTIVE LOAD
- MEASURING RANGE
- ACCURACY CLASS
- OVERLOAD
- RESPONSE TIME
- ALTERNATED RESIDUAL
- BURDEN
- GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS
 - insulation between inputs, outputs, power supply
 - insulation between the all circuits and earth
- OPERATING TEMPERATURE
- DIMENSIONS
- WEIGHT Kg.
- For the connection diagram see page:
- Different technical characteristic can be considered, under specific requests

1CORCRS

1CORTRA

	230V AC standard	
1-5-10VDC and 1-5-10-20-4/20mADC		1-5-10VDC and 1-5-10-20-4/20mADC
	700Ω	
	0 ÷ In	
	0,5	
	Permanent: 2 In / 1,2 Un - Instantaneous: 10 In / 2 Un for 1 sec	
	≤ 300 ms	
	≤ 1%	
	power supply: 4VA	
	2kV for 1min at 50Hz	
	4kV for 1min at 50Hz	
	0 °C ÷ +55 °C	
	3 DIN modules	
0,25		0,23
	109	



1CORPA1 - Active Power transducer with positive outputs only
1CORPR1 - Reactive Power transducer with positive outputs only

These transducers have the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs (1-5-10V DC or 1-5-10-20-4/20mA DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 500 W (VAR) 230V, 5A = 1000 W (VAR) 400V, 5A = 2000 W (VAR)

When the transducer is connected to a measurement instrument, the interchangeable scale plate can be chosen following the table on page 13.

1CORPA10 - Active Power transducer with bidirectional outputs
1CORPR10 - Reactive Power transducer with bidirectional outputs

These transducers have the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 500 W (VAR) 230V, 5A = 1000 W (VAR) 400V, 5A = 2000 W (VAR)



1CORPA10485 - Active Power transducer with bidirectional outputs and serial output RS485
1CORPR10485 - Reactive Power transducer with bidirectional outputs and serial output RS485

These transducers have a serial output RS485, the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 500 W (VAR) 230V, 5A = 1000 W (VAR) 400V, 5A = 2000 W (VAR)

1CORPAC10485 - Active Power transducer with bidirectional outputs and serial output RS485 + kWh (import/export)
1CORPRC10485 - Reactive Power transducer with bidirectional outputs and serial output RS485 + kWh (import/export)

These transducers have a serial output RS485, the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 500 W (VAR) 230V, 5A = 1000 W (VAR) 400V, 5A = 2000 W (VAR)

The transducer is furnished with a red flashing led on the front indicating the function of the kWhmeter.

The kWhmeter is predisposed for the measurement of the current (5A) and voltage (400 VAC).

The constant is calculated following the requested data while the storage of the energy value occurs in two different registers: one for the import and one for the export



	1CORPA1 1CORPR1	1CORPA10 1CORPR10	1CORPA10485 1CORPR10485	1CORPAC10485 1CORPRC10485
Active Power				
Reactive Power				
POSITIVE OUTPUTS ONLY	•			
SELECTABLE BIDIRECTIONAL OUTPUTS		•		
SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485			•	
SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485 + KWH (IMPORT/EXPORT)				•
MODBUS SLAVE RTU PROTOCOL			•	•
INPUT WAVE FORM (page 107)	OS - OSD		OS - OSD (schemes D10, D2)	
NOMINAL OUTPUT VALUES (selectable)	1, 5, 10 VDC and 1, 5, 10, 20, 4/20 mADC		$\pm 1, \pm 5, \pm 10$ VDC and $\pm 1, \pm 5, \pm 10, \pm 20, 4/20$ mA DC	
AUXILIARY SUPPLY (separate)			230V / 400V AC standard	
NOMINAL INPUT VALUES			voltage: 230V standard - current: 5A (1A on request)	
RESISTIVE LOAD			700Ω	
MEASURING RANGE			$0 \div P_n (0 \div Q_n)$	
STANDARD CALIBRATION	100V,5A=500W (VAR)	230V,5A=1000W (VAR)	400V,5A=2000W (VAR)	
ACCURACY CLASS			0,5	
OVERLOAD	Permanent: 2 In / 1,2 Un		Instantaneous: 10 In / 2 Un for 1 sec.	
OPERATING FREQUENCY			50 / 60 Hz	
RESPONSE TIME			≤ 300 ms	
ALTERNATED RESIDUAL			≤ 1%	
BURDEN			voltage circuit ≤ 1VA current circuit ≤ 0,8VA power supply ≤ 4VA	
GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS			insulation between inputs, outputs, power supply 2kV for 1min at 50Hz	
			insulation between the all circuits and earth 4kV for 1min at 50Hz	
OPERATING TEMPERATURE			0 °C ÷ +55 °C	
DIMENSIONS / WEIGHT Kg.			6 DIN modules / 0,50	
For the connection diagram see page			110	



Different technical characteristic can be considered, under specific requests
 The software is available, free of charge, on our internet address www.revalco.it



1CORPA2 - Active Power transducer with positive outputs only
1CORPR2 - Reactive Power transducer with positive outputs only

These transducers have the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs (1-5-10V DC or 1-5-10-20-4/20mA DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 500 W (VAR) 230V, 5A = 1000 W (VAR) 400V, 5A = 2000 W (VAR)

When the transducer is connected to a measurement instrument, the interchangeable scale plate can be chosen following the table on page 13.

1CORPA20 - Active Power transducer with bidirectional outputs
1CORPR20 - Reactive Power transducer with bidirectional outputs

These transducers have the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)



1CORPA20485 - Active Power transducer with bidirectional outputs and serial output RS485
1CORPR20485 - Reactive Power transducer with bidirectional outputs and serial output RS485

These transducers have a serial output RS485, the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)

1CORPAC20485 - Active Power transducer with bidirectional outputs and serial output RS485 + kWh (import/export)
1CORPRC20485 - Reactive Power transducer with bidirectional outputs and serial output RS485 + kWh (import/export)

These transducers have a serial output RS485, the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)

The transducer is furnished with a red flashing led on the front indicating the function of the kWhmeter.

The kWhmeter is predisposed for the measurement of the current (5A) and voltage (400 VAC).

The constant is calculated following the requested data while the storage of the energy value occurs in two different registers: one for the import and one for the export



	1CORPA2 1CORPR2	1CORPA20 1CORPR20	1CORPA20485 1CORPR20485	1CORPAC20485 1CORPRC20485
Active Power				
Reactive Power				
POSITIVE OUTPUTS ONLY	•			
SELECTABLE BIDIRECTIONAL OUTPUTS		•		
SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485			•	
SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485 + KWH (IMPORT/EXPORT)				•
MODBUS SLAVE RTU PROTOCOL			•	•
INPUT WAVE FORM (page 107)	OS - OSD		OS - OSD (schemes D10, D2)	
NOMINAL OUTPUT VALUES (selectable)	1, 5, 10 VDC and 1, 5, 10, 20, 4/20 mADC		$\pm 1, \pm 5, \pm 10$ VDC and $\pm 1, \pm 5, \pm 10, \pm 20, 4/20$ mA DC	
AUXILIARY SUPPLY (separate)			230V / 400V AC standard	
NOMINAL INPUT VALUES			voltage: 400V standard - current: 5A (1A on request)	
RESISTIVE LOAD			700Ω	
MEASURING RANGE			$0 \div P_n (0 \div Q_n)$	
STANDARD CALIBRATION	100V,5A=1000W (VAR)	230V,5A=2000W (VAR)	400V,5A=4000W (VAR)	
ACCURACY CLASS			0,5	
OVERLOAD	Permanent: 2 In / 1,2 Un		Instantaneous: 10 In / 2 Un for 1 sec.	
OPERATING FREQUENCY			50 / 60 Hz	
RESPONSE TIME			≤ 300 ms	
ALTERNATED RESIDUAL			≤ 1%	
BURDEN			voltage circuit ≤ 1VA current circuit ≤ 0,8VA power supply ≤ 4VA	
GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS			insulation between inputs, outputs, power supply 2kV for 1min at 50Hz	
			insulation between the all circuits and earth 4kV for 1min at 50Hz	
OPERATING TEMPERATURE			0 °C ÷ +55 °C	
DIMENSIONS / WEIGHT Kg.			6 DIN modules / 0,50	
For the connection diagram see page			111	



Different technical characteristic can be considered, under specific requests
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1CORPA3 - Active Power transducer with positive outputs only
1CORPR3 - Reactive Power transducer with positive outputs only

These transducers have the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs (1-5-10V DC or 1-5-10-20-4/20mA DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 500 W (VAR) 230V, 5A = 1000 W (VAR) 400V, 5A = 2000 W (VAR)

When the transducer is connected to a measurement instrument, the interchangeable scale plate can be chosen following the table on page 13.

1CORPA30 - Active Power transducer with bidirectional outputs
1CORPR30 - Reactive Power transducer with bidirectional outputs

These transducers have the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)



1CORPA30485 - Active Power transducer with bidirectional outputs and serial output RS485
1CORPR30485 - Reactive Power transducer with bidirectional outputs and serial output RS485

These transducers have a serial output RS485, the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)

1CORPAC30485 - Active Power transducer with bidirectional outputs and serial output RS485 + kWh (import/export)
1CORPRC30485 - Reactive Power transducer with bidirectional outputs and serial output RS485 + kWh (import/export)

These transducers have a serial output RS485, the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)

The transducer is furnished with a red flashing led on the front indicating the function of the kWhmeter.

The kWhmeter is predisposed for the measurement of the current (5A) and voltage (400 VAC).

The constant is calculated following the requested data while the storage of the energy value occurs in two different registers: one for the import and one for the export



	1CORPA3 1CORPR3	1CORPA30 1CORPR30	1CORPA30485 1CORPR30485	1CORPAC30485 1CORPRC30485
Active Power				
Reactive Power				
POSITIVE OUTPUTS ONLY	•	•	•	•
SELECTABLE BIDIRECTIONAL OUTPUTS		•	•	•
SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485			•	•
SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485 + KWH (IMPORT/EXPORT)				•
MODBUS SLAVE RTU PROTOCOL			•	•
INPUT WAVE FORM (page 107)	OS - OSD		OS - OSD (schemes D10, D2)	
NOMINAL OUTPUT VALUES (selectable)	1, 5, 10 VDC and 1, 5, 10, 20, 4/20 mADC		$\pm 1, \pm 5, \pm 10$ VDC and $\pm 1, \pm 5, \pm 10, \pm 20, 4/20$ mA DC	
AUXILIARY SUPPLY (separate)			230V / 400V AC standard	
NOMINAL INPUT VALUES			voltage: 400V standard - current: 5A (1A on request)	
RESISTIVE LOAD			700 Ω	
MEASURING RANGE			0 \div Pn (0 \div Qn)	
STANDARD CALIBRATION	100V,5A=1000W (VAR)	230V,5A=2000W (VAR)	400V,5A=4000W (VAR)	
ACCURACY CLASS			0,5	
OVERLOAD	Permanent: 2 In / 1,2 Un		Instantaneous: 10 In / 2 Un for 1 sec.	
OPERATING FREQUENCY			50 / 60 Hz	
RESPONSE TIME			≤ 300 ms	
ALTERNATED RESIDUAL			$\leq 1\%$	
BURDEN			voltage circuit $\leq 1VA$ current circuit $\leq 0,8VA$ power supply $\leq 4VA$	
GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS			insulation between inputs, outputs, power supply 2kV for 1min at 50Hz	
			insulation between the all circuits and earth 4kV for 1min at 50Hz	
OPERATING TEMPERATURE			0 $^{\circ}C$ \div +55 $^{\circ}C$	
DIMENSIONS / WEIGHT Kg.			6 DIN modules / 0,50	
For the connection diagram see page			112	



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1CORPA4 - Active Power transducer with positive outputs only
1CORPR4 - Reactive Power transducer with positive outputs only

These transducers have the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs (1-5-10V DC or 1-5-10-20-4/20mA DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 500 W (VAR) 230V, 5A = 1000 W (VAR) 400V, 5A = 2000 W (VAR)

When the transducer is connected to a measurement instrument, the interchangeable scale plate can be chosen following the table on page 13.

1CORPA40 - Active Power transducer with bidirectional outputs
1CORPR40 - Reactive Power transducer with bidirectional outputs

These transducers have the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)



1CORPA40485 - Active Power transducer with bidirectional outputs and serial output RS485
1CORPR40485 - Reactive Power transducer with bidirectional outputs and serial output RS485

These transducers have a serial output RS485, the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)

1CORPAC40485 - Active Power transducer with bidirectional outputs and serial output RS485 + kWh (import/export)
1CORPRC40485 - Reactive Power transducer with bidirectional outputs and serial output RS485 + kWh (import/export)

These transducers have a serial output RS485, the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)

The transducer is furnished with a red flashing led on the front indicating the function of the kWhmeter.

The kWhmeter is predisposed for the measurement of the current (5A) and voltage (400 VAC).

The constant is calculated following the requested data while the storage of the energy value occurs in two different registers: one for the import and one for the export



	1CORPA4 1CORPR4	1CORPA40 1CORPR40	1CORPA40485 1CORPR40485	1CORPAC40485 1CORPRC40485
Active Power				
Reactive Power				
POSITIVE OUTPUTS ONLY	•	•	•	•
SELECTABLE BIDIRECTIONAL OUTPUTS		•	•	•
SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485			•	•
SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485 + KWH (IMPORT/EXPORT)				•
MODBUS SLAVE RTU PROTOCOL			•	•
INPUT WAVE FORM (page 107)	OS - OSD		OS - OSD (schemes D10, D2)	
NOMINAL OUTPUT VALUES (selectable)	1, 5, 10 VDC and 1, 5, 10, 20, 4/20 mADC		$\pm 1, \pm 5, \pm 10$ VDC and $\pm 1, \pm 5, \pm 10, \pm 20, 4/20$ mA DC	
AUXILIARY SUPPLY (separate)			230V / 400V AC standard	
NOMINAL INPUT VALUES			voltage: 230 (400)V standard - current: 5A (1A on request)	
RESISTIVE LOAD			700 Ω	
MEASURING RANGE			0 ÷ Pn (0 ÷ Qn)	
STANDARD CALIBRATION	100V,5A=1000W (VAR)	230V,5A=2000W (VAR)	400V,5A=4000W (VAR)	
ACCURACY CLASS			0,5	
OVERLOAD		Permanent: 2 In / 1,2 Un	Instantaneous: 10 In / 2 Un for 1 sec.	
OPERATING FREQUENCY			50 / 60 Hz	
RESPONSE TIME			≤ 300 ms	
ALTERNATED RESIDUAL			≤ 1%	
BURDEN			voltage circuit ≤ 1VA current circuit ≤ 0,8VA power supply ≤ 4VA	
GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS			insulation between inputs, outputs, power supply 2kV for 1min at 50Hz	
			insulation between the all circuits and earth 4kV for 1min at 50Hz	
OPERATING TEMPERATURE			0 °C ÷ +55 °C	
DIMENSIONS / WEIGHT Kg.			6 DIN modules / 0,50	
For the connection diagram see page			113	



Different technical characteristic can be considered, under specific requests
 The software is available, free of charge, on our internet address www.revalco.it



1CORPA5 - Active Power transducer with positive outputs only
1CORPR5 - Reactive Power transducer with positive outputs only

These transducers have the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs (1-5-10V DC or 1-5-10-20-4/20mA DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 500 W (VAR) 230V, 5A = 1000 W (VAR) 400V, 5A = 2000 W (VAR)

When the transducer is connected to a measurement instrument, the interchangeable scale plate can be chosen following the table on page 13.

1CORPA50 - Active Power transducer with bidirectional outputs
1CORPR50 - Reactive Power transducer with bidirectional outputs

These transducers have the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)



1CORPA50485 - Active Power transducer with bidirectional outputs and serial output RS485
1CORPR50485 - Reactive Power transducer with bidirectional outputs and serial output RS485

These transducers have a serial output RS485, the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)

1CORPAC50485 - Active Power transducer with bidirectional outputs and serial output RS485 + kWh (import/export)
1CORPRC50485 - Reactive Power transducer with bidirectional outputs and serial output RS485 + kWh (import/export)

These transducers have a serial output RS485, the galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 Outputs ($\pm 1, \pm 5, \pm 10V$ DC or $\pm 1, \pm 5, \pm 10, \pm 20, 4/20mA$ DC) by minidip key located under a removable section of the upper case wall and by terminal selection.

The standard calibration is: 100V, 5A = 1000 W (VAR) 230V, 5A = 2000 W (VAR) 400V, 5A = 4000 W (VAR)

The transducer is furnished with a red flashing led on the front indicating the function of the kWhmeter.

The kWhmeter is predisposed for the measurement of the current (5A) and voltage (400 VAC).

The constant is calculated following the requested data while the storage of the energy value occurs in two different registers: one for the import and one for the export



	1CORPA5 1CORPR5	1CORPA50 1CORPR50	1CORPA50485 1CORPR50485	1CORPAC50485 1CORPRC50485
Active Power				
Reactive Power				
POSITIVE OUTPUTS ONLY	•	•	•	•
SELECTABLE BIDIRECTIONAL OUTPUTS		•	•	•
SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485			•	•
SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485 + KWH (IMPORT/EXPORT)				•
MODBUS SLAVE RTU PROTOCOL			•	•
INPUT WAVE FORM (page 107)	OS - OSD		OS - OSD (schemes D10, D2)	
NOMINAL OUTPUT VALUES (selectable)	1, 5, 10 VDC and 1, 5, 10, 20, 4/20 mA DC	$\pm 1, \pm 5, \pm 10$ VDC and $\pm 1, \pm 5, \pm 10, \pm 20, 4/20$ mA DC	230V / 400V AC standard	
AUXILIARY SUPPLY (separate)			voltage: 230 (400)V standard - current: 5A (1A on request)	
NOMINAL INPUT VALUES			700 Ω	
RESISTIVE LOAD			0 ÷ Pn (0 ÷ Qn)	
MEASURING RANGE				
STANDARD CALIBRATION	100V,5A=1000W (VAR)	230V,5A=2000W (VAR)	400V,5A=4000W (VAR)	
ACCURACY CLASS			0,5	
OVERLOAD		Permanent: 2 In / 1,2 Un	Instantaneous: 10 In / 2 Un for 1 sec.	
OPERATING FREQUENCY			50 / 60 Hz	
RESPONSE TIME			≤ 300 ms	
ALTERNATED RESIDUAL			≤ 1%	
BURDEN			voltage circuit ≤ 1VA current circuit ≤ 0,8VA power supply ≤ 4VA	
GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS			insulation between inputs, outputs, power supply 2kV for 1min at 50Hz	
			insulation between the all circuits and earth 4kV for 1min at 50Hz	
OPERATING TEMPERATURE			0 °C ÷ +55 °C	
DIMENSIONS / WEIGHT Kg.			6 DIN modules / 0,50	
For the connection diagram see page			114	



Different technical characteristic can be considered, under specific requests
 The software is available, free of charge, on our internet address www.revalco.it



1COR485

These transducers have a serial RS485 output and galvanic separation between inputs and outputs, and have the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 outputs (± 1 , ± 5 , ± 10 VDC e ± 1 , ± 5 , ± 10 , ± 20 , 4/20 mA DC) by minidip located under a removable section of the upper case wall and by terminal selection.

Protocol: MODBUS SLAVE RTU through which is supplied to the 1COR485 the **analogue value** available on the output (settable from 0 to 100%)

The assumed value of analogue output is selected through the serial input RS485

Example of use: selection of the frequency in Inverter for electrical motors
Every net with analogue input for the selection of its work by the end users

- **AUXILIARY SUPPLY (separate)** 230V / 400V AC standard
- **SERIAL OUTPUT** RS485
- **NOMINAL OUTPUT VALUES (separate)** ± 1 , ± 5 , ± 10 VDC and ± 1 , ± 5 , ± 10 , ± 20 , 4/20 mA DC
- **RESISTIVE LOAD** 700 Ω
- **ACCURACY CLASS** 0,5
- **OPERATING FREQUENCY** 50 / 60 Hz
- **ALTERNATED RESIDUAL** $\leq 1\%$
- **BURDEN** 2 VA
- **GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS** insulation between inputs, outputs, power supply 2kV for 1min at 50Hz
- **OPERATING TEMPERATURE** 0 °C ÷ +55 °C
- **DIMENSIONS / WEIGHT Kg.** 6 DIN modules / 0,50
- For the connection diagram see page 109
- Different technical characteristic can be considered, under specific requests

POWER FACTOR TRANSDUCERS



1CORFP10 - Single phase

The transducer have galvanic separation between inputs and outputs and the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 outputs (± 1 , ± 5 , ± 10 VDC e ± 1 , ± 5 , ± 10 , ± 20 , 4/20 mA DC) by minidip located under a removable section of the upper case wall and by terminal selection.

It is also possible to select the required conversion between:

- **proportional to the phase angle**, with output 1mA DC (in degrees) for connection with an analogue measuring instrument.
- **proportional to cos φ** with output ± 1 , ± 5 , ± 10 , ± 20 , 4/20 mA and ± 1 , ± 5 , ± 10 V for all other use

1CORFP20 - Three phase, balanced load, 3 wire

The transducer have galvanic separation between inputs and outputs and the capability to offer multiple choice auxiliary supply of (230V, 400V) by terminal selection and 8 outputs (± 1 , ± 5 , ± 10 VDC e ± 1 , ± 5 , ± 10 , ± 20 , 4/20 mA DC) by minidip located under a removable section of the upper case wall and by terminal selection.

It is also possible to select the required conversion between:

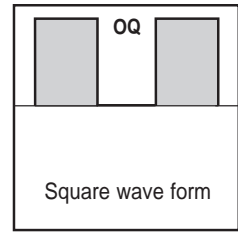
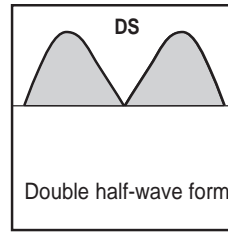
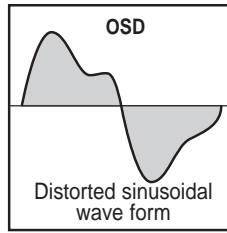
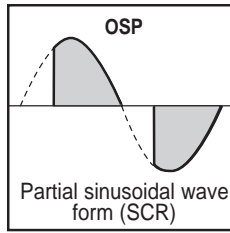
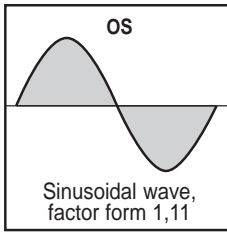
- **proportional to the phase angle**, with output 1mA DC (in degrees) for connection with an analogue measuring instrument.
- **proportional to cos φ** with output ± 1 , ± 5 , ± 10 , ± 20 , 4/20 mA and ± 1 , ± 5 , ± 10 V for all other use



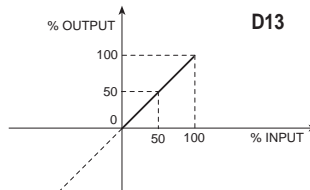
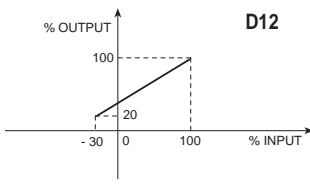
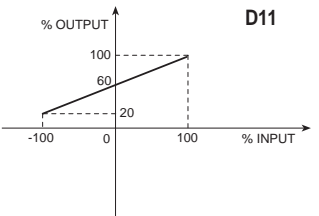
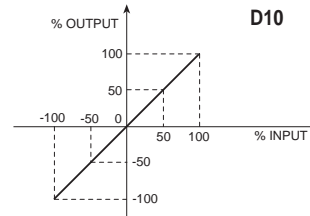
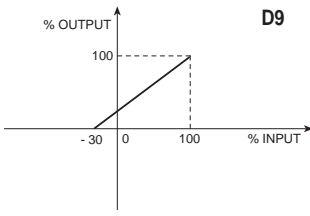
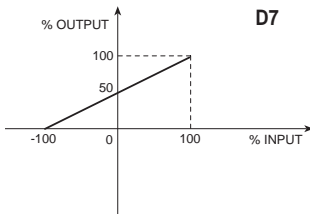
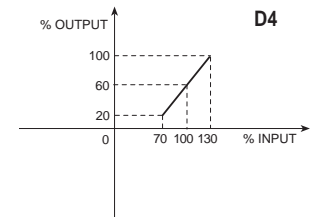
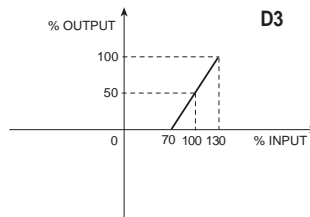
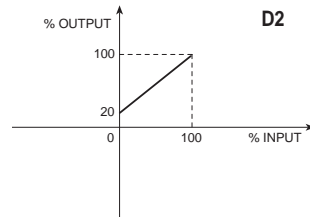
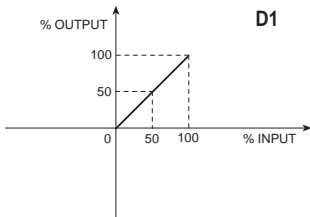
- | | | |
|---|--|--|
| <ul style="list-style-type: none"> ■ AUXILIARY SUPPLY (separate) ■ NOMINAL INPUT VALUES ■ NOMINAL OUTPUT VALUES (separate) ■ RESISTIVE LOAD ■ MEASURING RANGE ■ ACCURACY CLASS ■ OVERLOAD ■ RESPONSE TIME ■ ALTERNATED RESIDUAL ■ OPERATING FREQUENCY ■ BURDEN ■ GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS ■ OPERATING TEMPERATURE ■ INPUT WAVE FORM (page 107) ■ DIMENSIONS / WEIGHT Kg. ■ For the connection diagram see page ■ Different technical characteristic can be considered, under specific requests | <p>1CORFP10 - Single phase</p> <p>230V AC standard
voltage: 230V AC
current: 5A (1A on 1CORFP...B type)</p> <p>± 1, ± 5, ± 10 VDC and ± 1, ± 5, ± 10, ± 20, 4/20 mA DC</p> <p>700Ω
0,5 (cap) - 1 - 0,5 (ind) standard
0,5</p> <p>Permanent: 2 In / 1,2 Un - Instantaneous: 10 In / 2 Un for 1 sec</p> <p>≤ 300 ms
$\leq 1\%$
50/60 Hz</p> <p>voltage circuit ≤ 1VA current circuit $\leq 0,8$VA power supply ≤ 4VA
insulation between inputs, outputs, power supply 2kV for 1min at 50Hz
insulation between the all circuits and earth 4kV for 1min at 50Hz</p> <p>0 °C ÷ +55 °C
OS - OSD (schemes D10, D2)
6 DIN modules / 0,50
115</p> | <p>1CORFP20 - Three phase</p> <p>230V / 400V AC standard
voltage: 400V AC
current: 5A (1A on 1CORFP...B type)</p> |
|---|--|--|

CONNECTION DIAGRAMS AND INPUT/OUTPUT TRANSDUCERS SELECTION

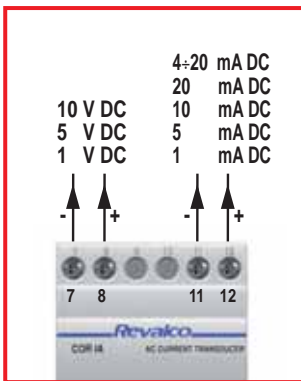
WAVEFORM



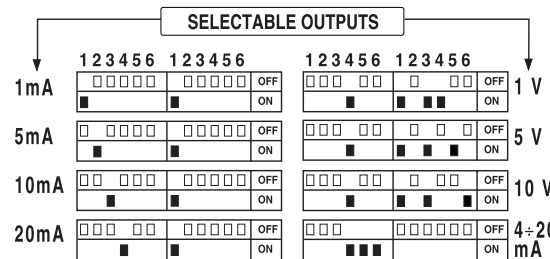
LINEARITY DIAGRAMS BETWEEN INPUTS AND OUTPUTS



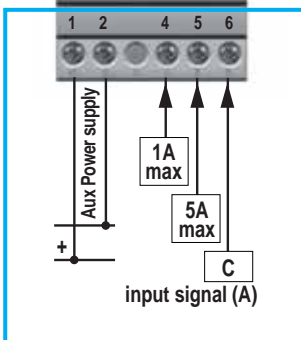
1CORIA



The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:



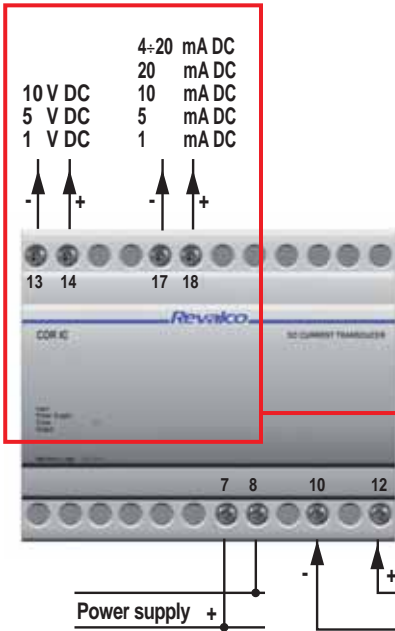
Where a Voltage output is required connection is by terminal Nos, 7 and 8 and for Current output connect to terminals Nos, 11 and 12.



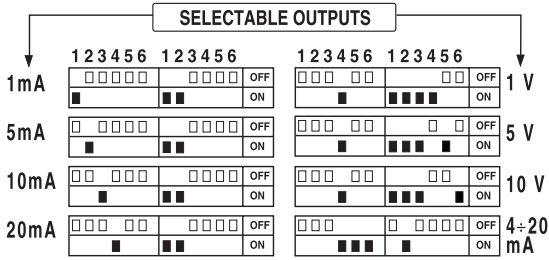
Input terminal selection

Input connection is achieved by using Terminal C (No.6) for the common. Then for an Input of 1 Amp select terminal No.4 and for an Input of 5 Amp select terminal No.5 (as shown in the diagram)

1CORIC



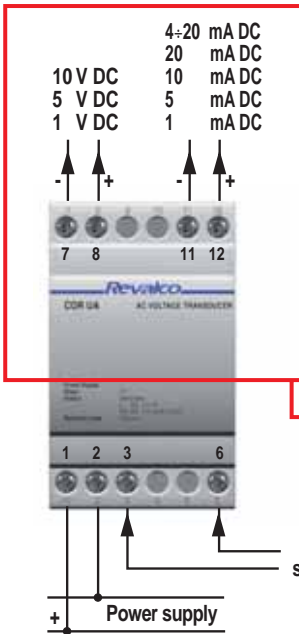
The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:



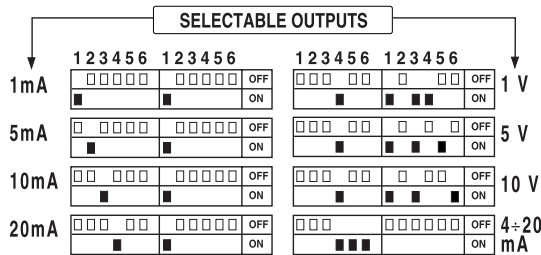
Where a Voltage output is required connection is by terminal Nos, 13 and 14 for Current output connect to terminal Nos, 17 and 18.



1CORUA



The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:

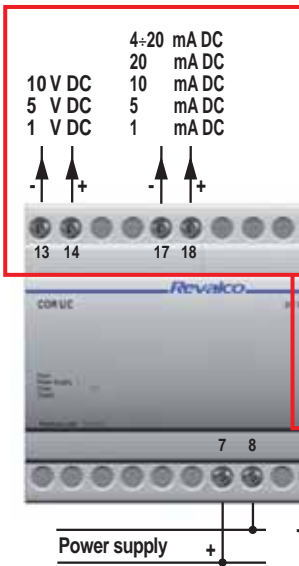


Where a Voltage output is required connection is by terminal Nos, 7 and 8 and for Current output connect to terminal Nos, 11 and 12.

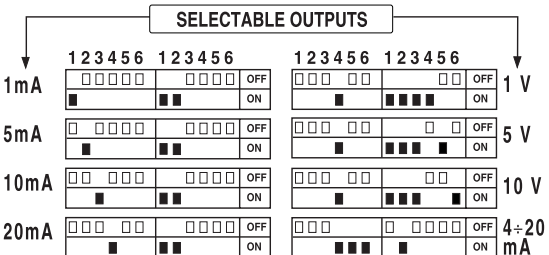


When ordering it is necessary to specify the required input signal

1CORUC



The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:

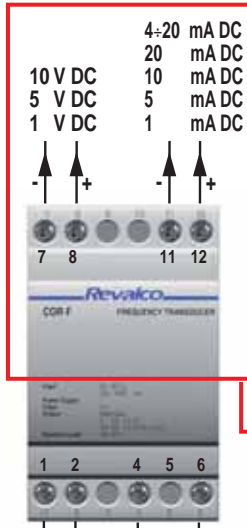


Where a Voltage output is required connection is by terminal Nos, 13 and 14 and for Current output connect to terminal Nos, 17 and 18.

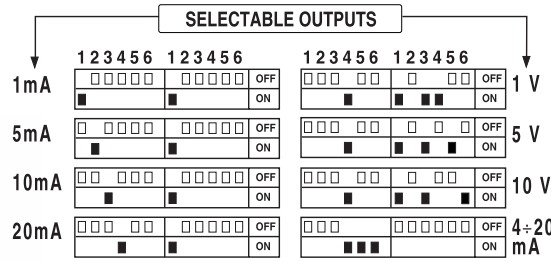


When ordering it is necessary to specify the required input signal

1CORF



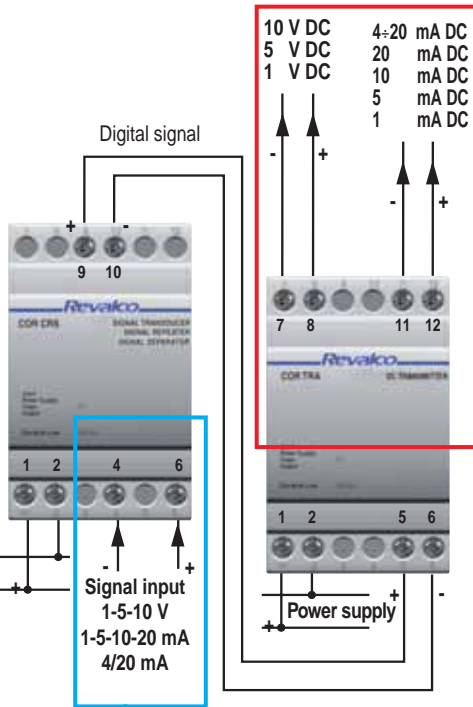
The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:



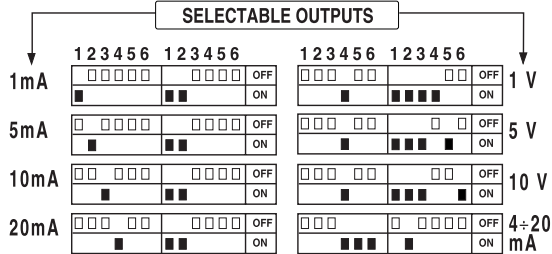
Where a Voltage output is required connection is by terminal Nos, 7 and 8 and for Current output connect to terminal Nos, 11 and 12



1CORCRS + 1CORTRA



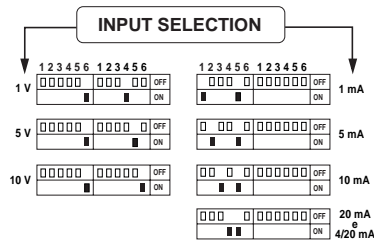
The selection of the required output from COR TRA is achieved by adjusting the minidip keys as described in the following diagram:



Where a Voltage output is required, connection is by terminal nos 7 and 8 and for Current output connect to terminal Nos 11 and 12.

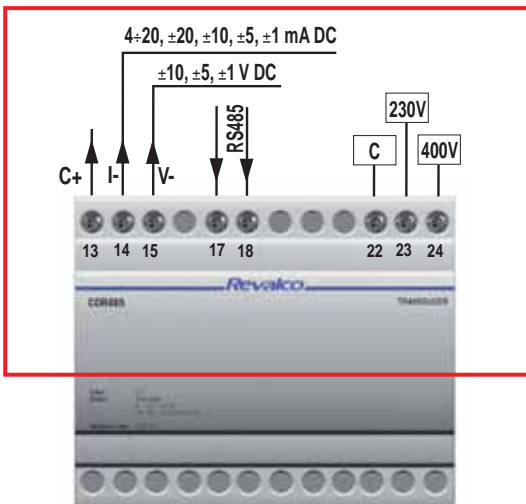


As repeater, input and output 4/20mA, select the minidip (input and output) like 0-20mA.



The selection of the required input to the 1CORCRS is achieved by adjusting the minidip keys and terminal selection as described in the following diagram. Once this value is selected, connect terminal nos, 4 and 6

1COR485



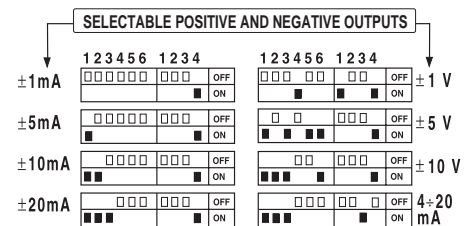
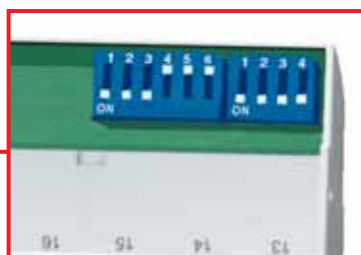
The selection of the required output from COR TRA is achieved by adjusting the minidip keys as described in the following diagram:

Where a Voltage output is required, connection is by terminal nos 13 and 15 and for Current output connect to terminal Nos 13 and 14.

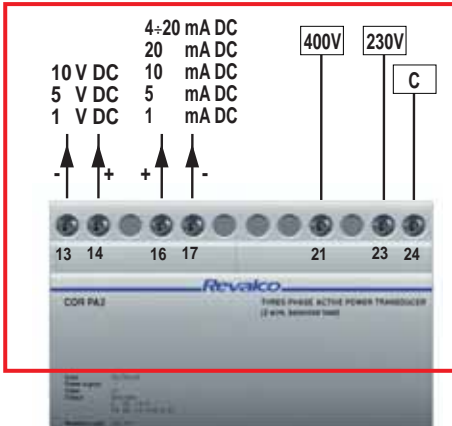
Serial output RS485 must be connected to terminals Nos 17 and 18.

To supply the instruments with 230V connect the common terminal Nos 22 and 23.

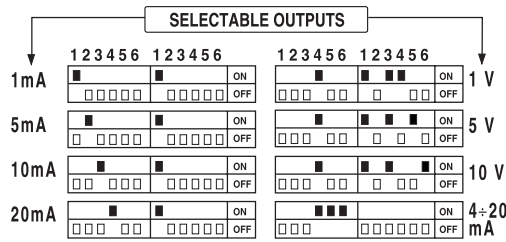
To supply the instruments with 400V connect the common terminal Nos 22 and 24.



1CORPA2 / 1CORPR2

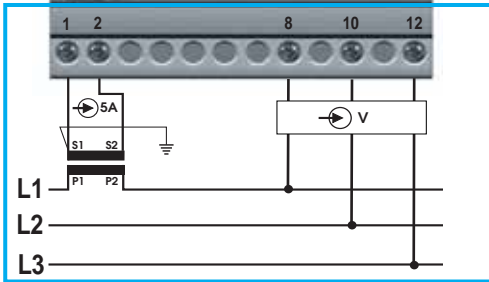


The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:

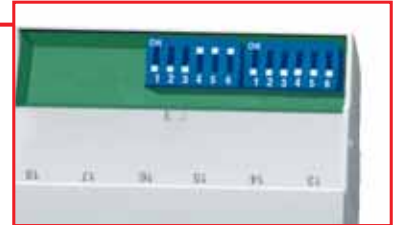


Where a Voltage output is required connection is by terminal Nos, 13 and 14 and for Current output connect to terminal Nos, 16 and 17.

The auxiliary Power Supply is achieved by: use terminal 24 as the common connection; for 230V connect to Terminal 23; for 400V connect to Terminal 21



Input terminal selection
 Voltage : use terminal 8, 10, 12
 Current : connect to terminals 1 and 2

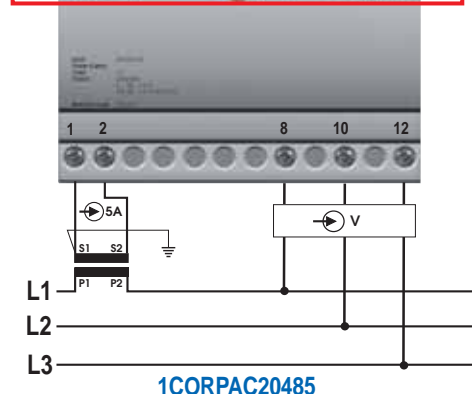
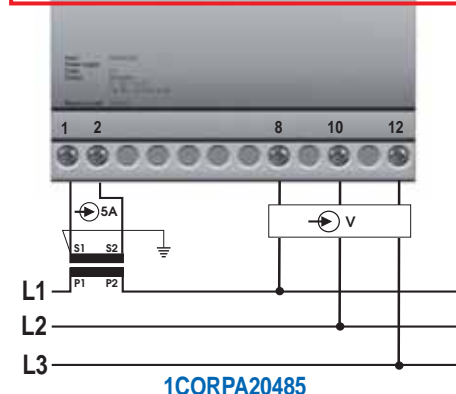
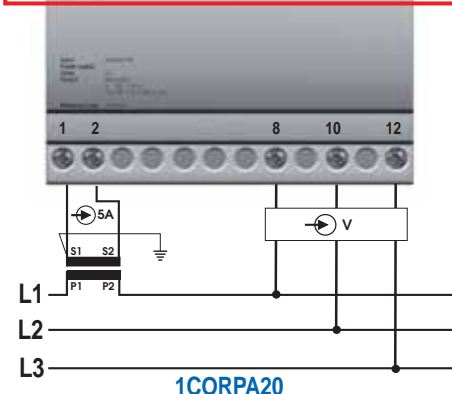
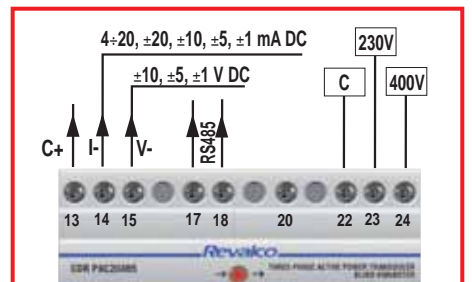
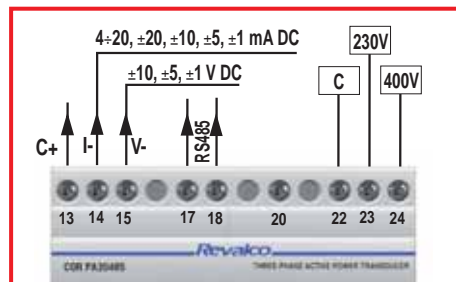
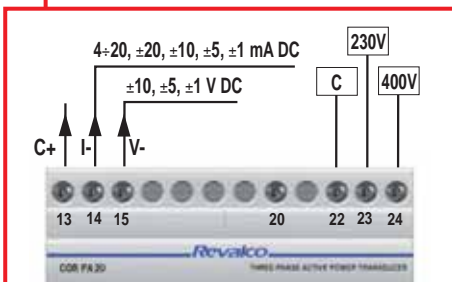
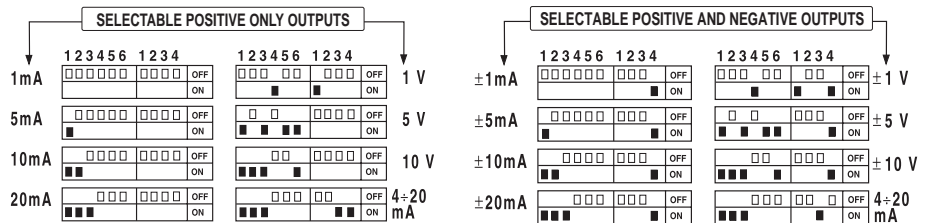
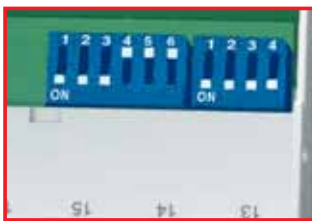


1CORPA20 / 1CORPA20485 / 1CORPAC20485 - 1CORPR20 / 1CORPR20485 / 1CORPRC20485

The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:

where a Voltage output is required connection is by terminal Nos, 13 and 15 and for Current output connect to terminal Nos, 13 and 14.

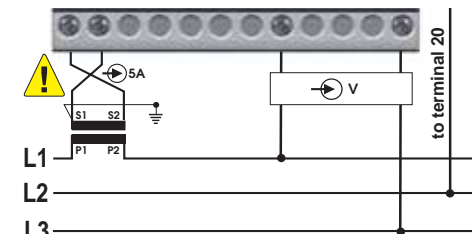
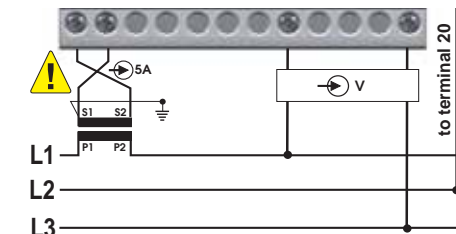
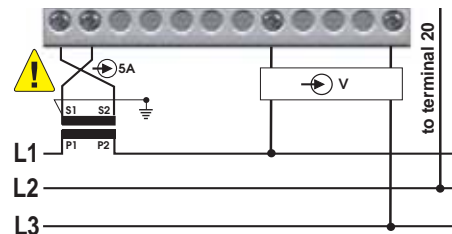
The auxiliary Power Supply is achieved by: use terminal 22 as the common connection; for 230V connect to Terminal 23; for 400V connect to Terminal 24



1CORPA20

1CORPA20485

1CORPAC20485

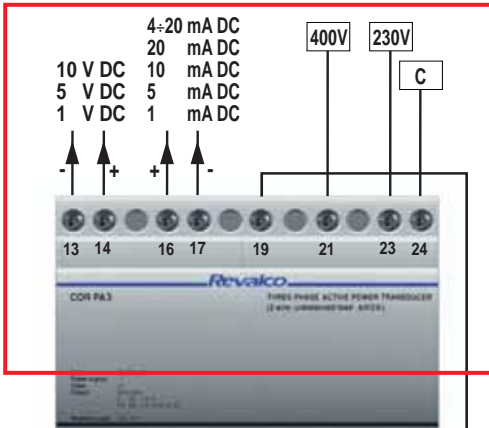


1CORPR20

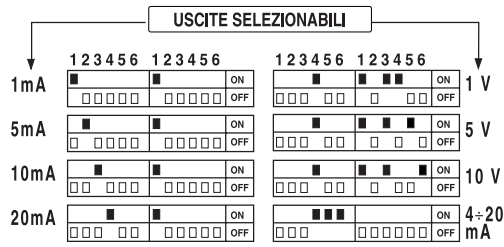
1CORPR20485

1CORPRC20485

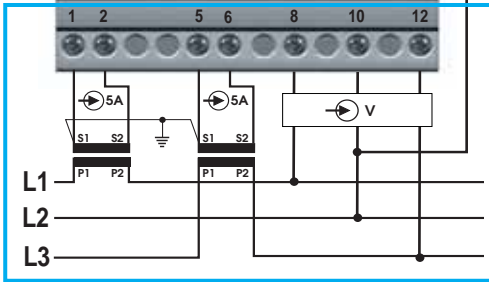
1CORPA3 / 1CORPR3



The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:

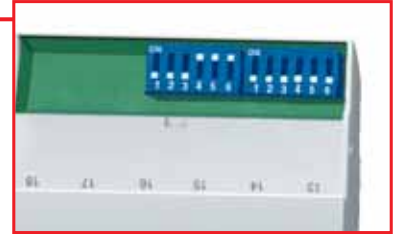


Where a Voltage output is required connection is by terminal Nos, 13 and 14 and for Current output connect to terminal Nos, 16 and 17.
The auxiliary Power Supply is achieved by: use terminal 24 as the common connection; for 230V connect to Terminal 23; for 400V connect to Terminal 21



Input terminal selection

Voltage : use terminal 8, 10, 12
Current : connect the phase L1 to terminal Nos 1 and 2.
Current : connect the phase L3 to terminal Nos 5 and 6.

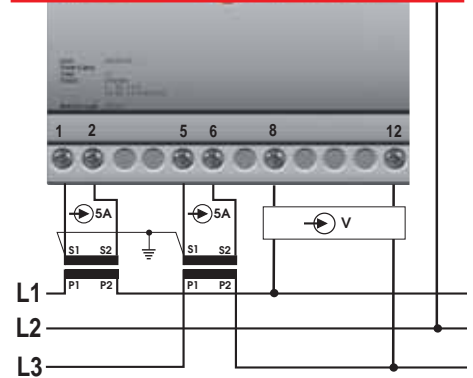
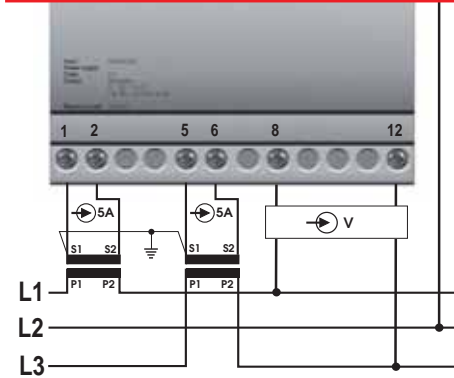
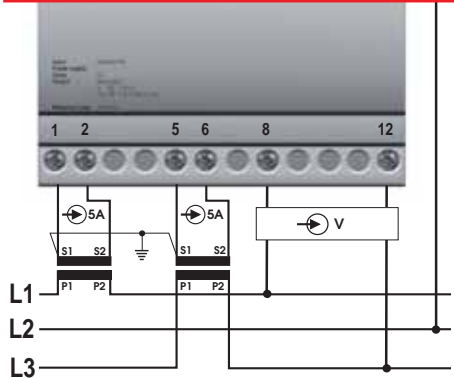
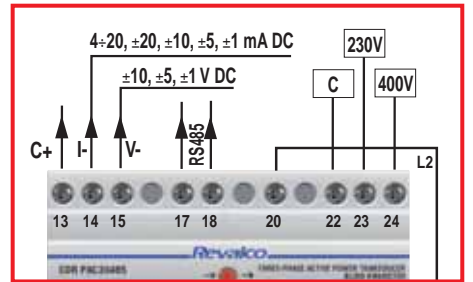
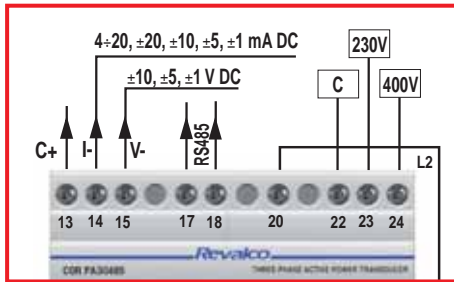
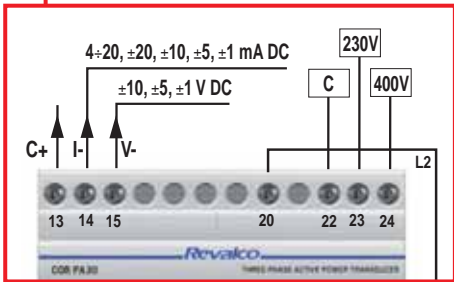
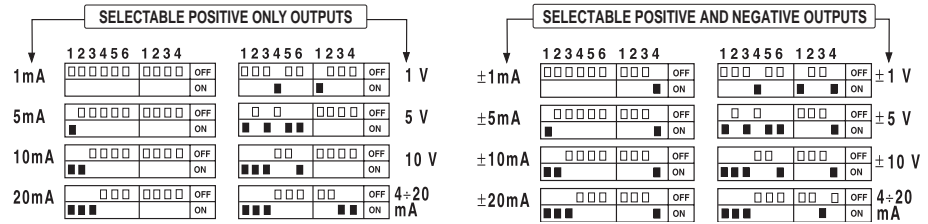


1CORPA30 / 1CORPA30485 / 1CORPAC30485 - 1CORPR30 / 1CORPR30485 / 1CORPRC30485

The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:

where a Voltage output is required connection is by terminal Nos, 13 and 15 and for Current output connect to terminal Nos, 13 and 14.

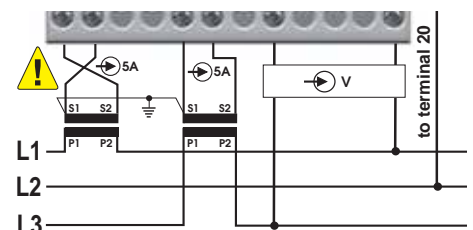
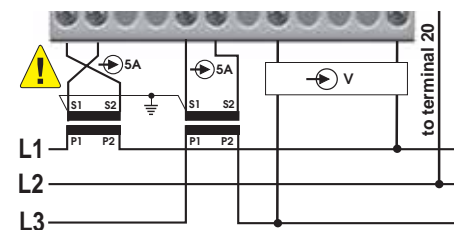
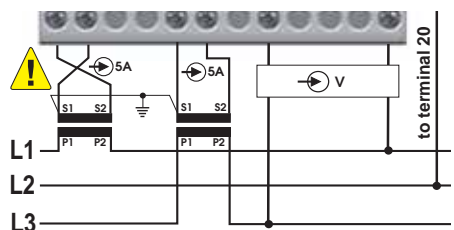
The auxiliary Power Supply is achieved by: use terminal 22 as the common connection; for 230V connect to Terminal 23; for 400V connect to Terminal 24



1CORPA30

1CORPA30485

1CORPAC30485

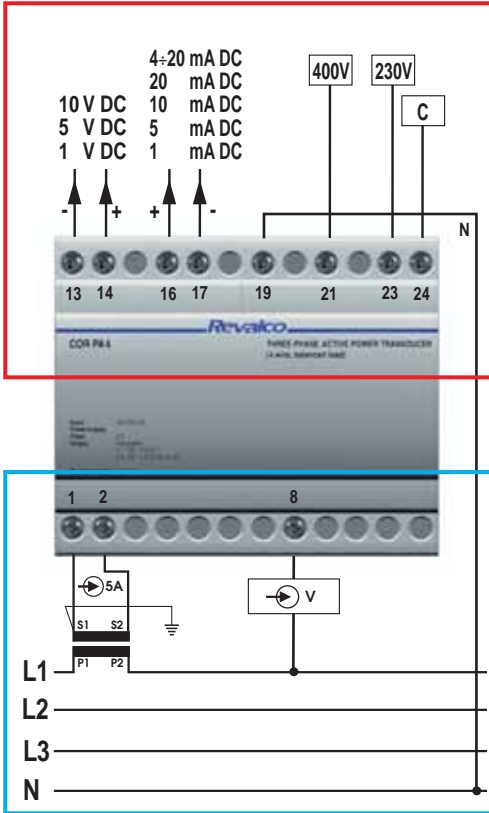


1CORPR30

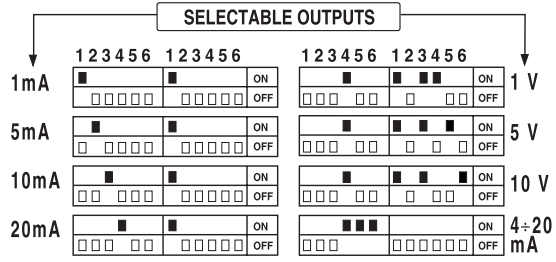
1CORPR30485

1CORPRC30485

1CORPA4 / 1CORPR4

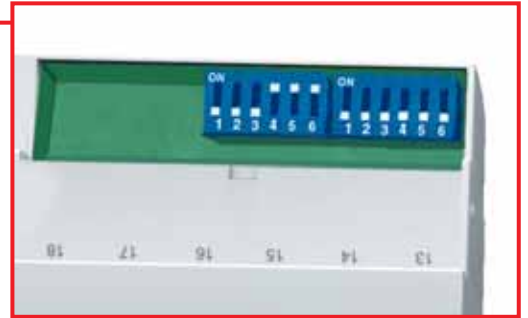


The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:



Where a Voltage output is required connection is by terminal Nos, 13 and 14 and for Current output connect to terminal Nos, 16 and 17.

The auxiliary Power Supply is achieved by: use terminal 24 as the common connection; for 230V connect to Terminal 23; for 400V connect to Terminal 21



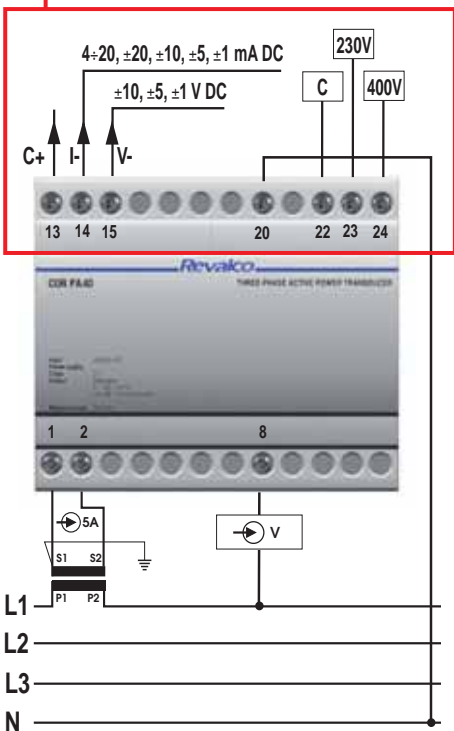
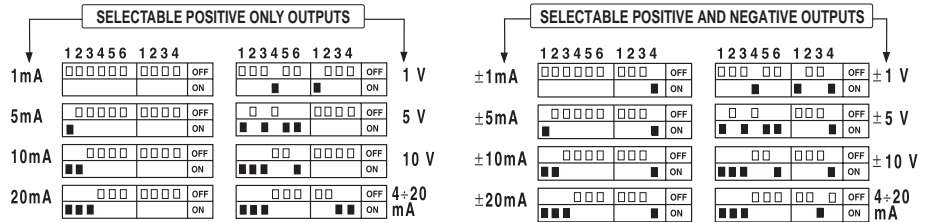
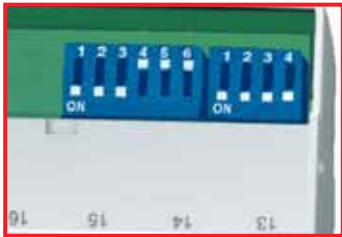
Input terminal selection
Voltage : use terminal 8
Current : connect to terminal Nos 1 and 2.

1CORPA40 / 1CORPA40485 / 1CORPAC40485 - 1CORPR40 / 1CORPR40485 / 1CORPRC40485

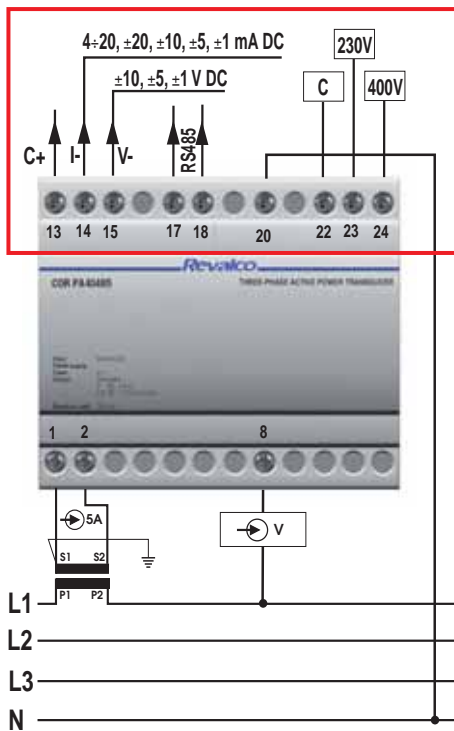
The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:

where a Voltage output is required connection is by terminal Nos, 13 and 15 and for Current output connect to terminal Nos, 13 and 14.

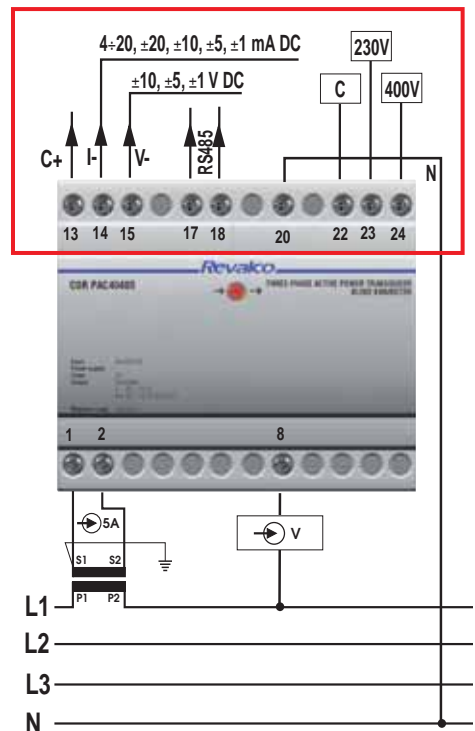
The auxiliary Power Supply is achieved by: use terminal 22 as the common connection; for 230V connect to Terminal 23; for 400V connect to Terminal 24



1CORPA40 / 1CORPR40

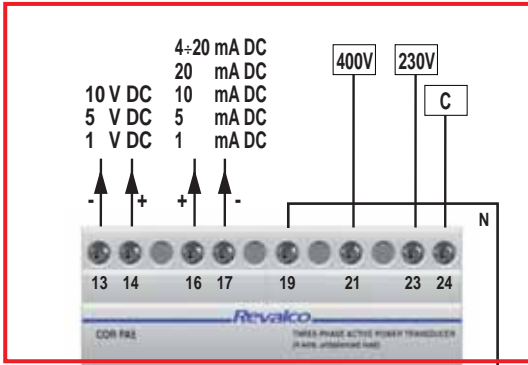


1CORPA40485 / 1CORPR40485

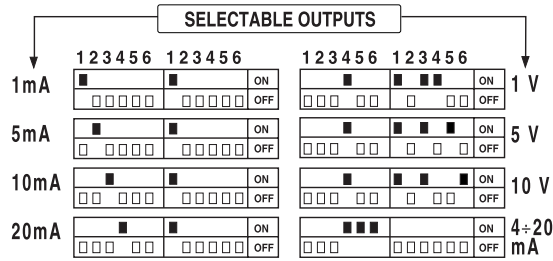


1CORPAC40485 / 1CORPRC40485

1CORPA5 - 1CORPR5

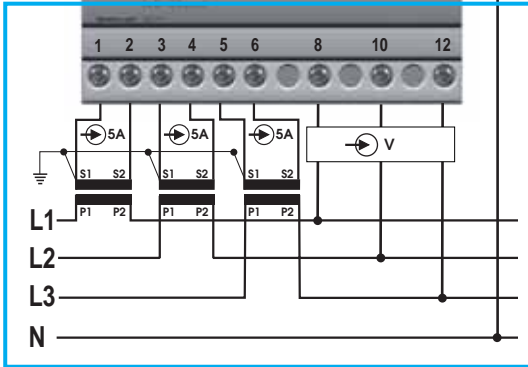


The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:



Where a Voltage output is required connection is by terminal Nos, 13 and 14 and for Current output connect to terminal Nos, 16 and 17.

The auxiliary Power Supply is achieved by: use terminal 24 as the common connection; for 230V connect to Terminal 23; for 400V connect to Terminal 21



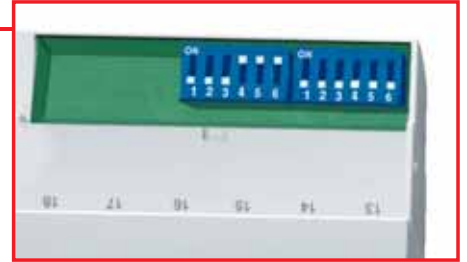
Input terminal selection

Voltage : use terminal 8, 10, 12

Current : connect the phase L1 to terminal Nos 1 and 2.

Current : connect the phase L2 to terminal Nos 3 and 4.

Current : connect the phase L3 to terminal Nos 5 and 6.

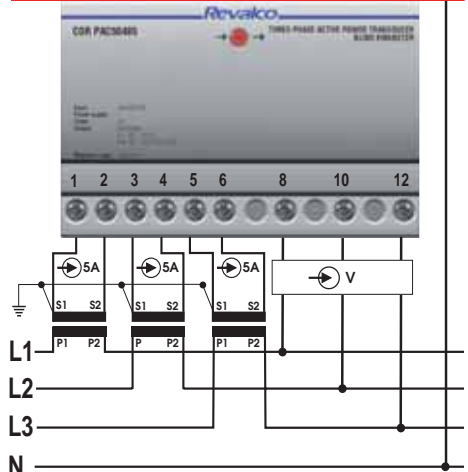
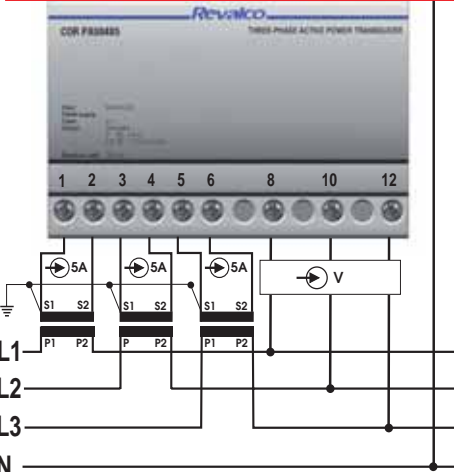
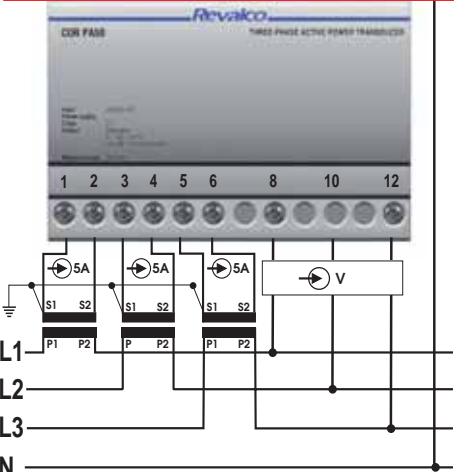
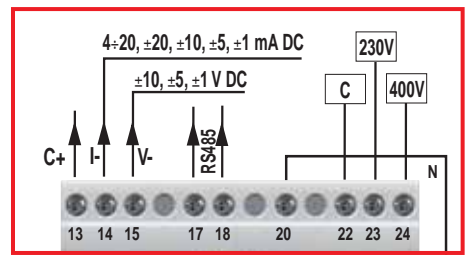
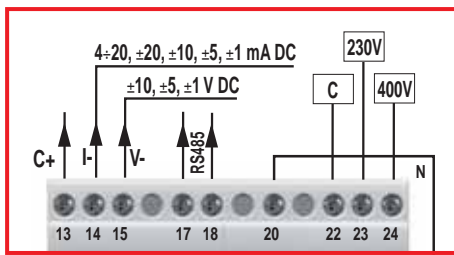
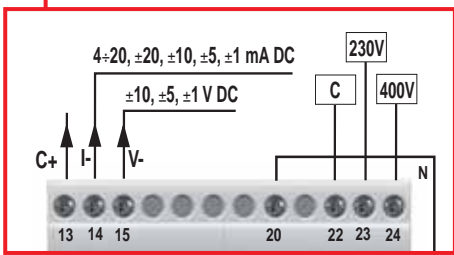
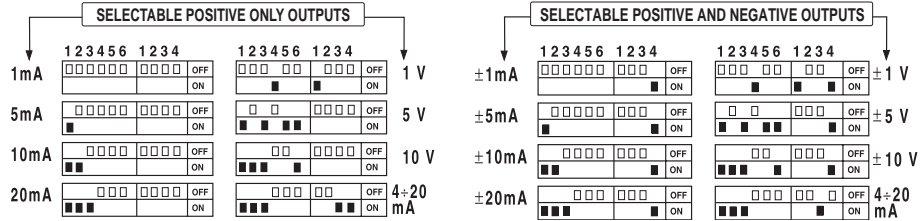
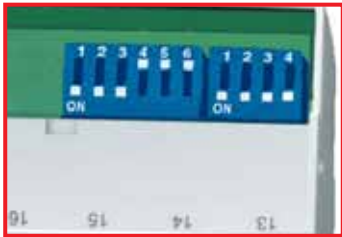


1CORPA50 / 1CORPA50485 / 1CORPAC50485 - 1CORPR50 / 1CORPR50485 / 1CORPRC50485

The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:

where a Voltage output is required connection is by terminal Nos, 13 and 15 and for Current output connect to terminal Nos, 13 and 14.

The auxiliary Power Supply is achieved by: use terminal 22 as the common connection; for 230V connect to Terminal 23; for 400V connect to Terminal 24



1CORPA50 / 1CORPR50

1CORPA50485 / 1CORPR50485

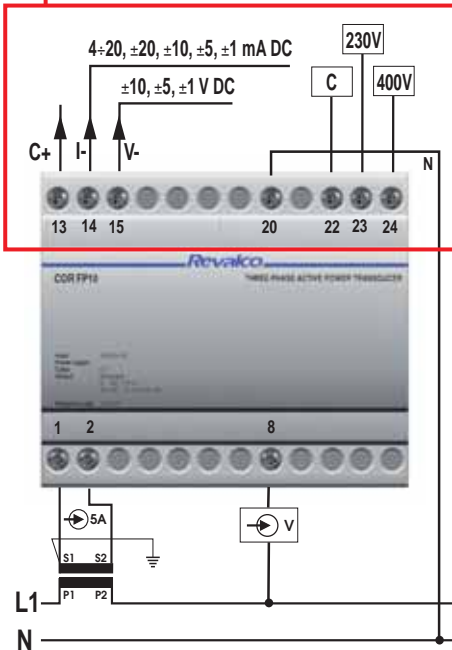
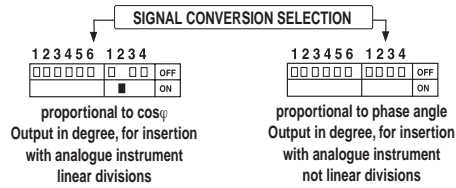
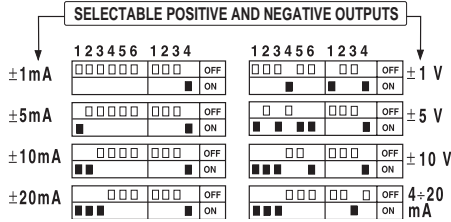
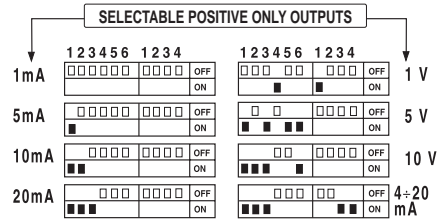
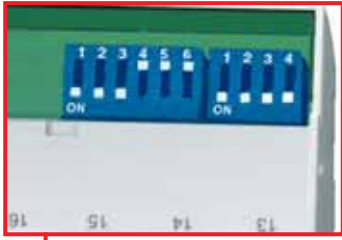
1CORPAC50485 / 1CORPRC50485

1CORFP10 / 1CORFP20

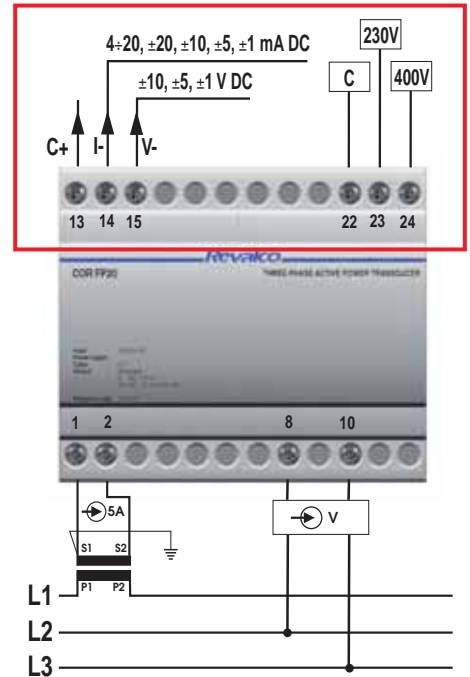
The selection of the required output is achieved by adjusting the minidip keys as described in the following diagram:

where a Voltage output is required connection is by terminal Nos, 13 and 15 and for Current output connect to terminal Nos, 13 and 14.

The auxiliary Power Supply is achieved by: use terminal 22 as the common connection; for 230V connect to Terminal 23; for 400V connect to Terminal 24



1CORFP10



1CORFP20