# Measurement Transducers

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<td>Balanced load, 4 wires with neutral</td>
<td>10</td>
</tr>
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<td>Unbalanced load, 4 wires with neutral</td>
<td>11</td>
</tr>
</tbody>
</table>
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 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.
- 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.

POWER SUPPLIES

- A.C. CURRENT (for all models)
  - Standard power supply 230V +/- 10% a 50/60Hz galvanically insulated
  - Other power supply 110V and 24V

A.C. AND D.C. CURRENT

- Putting “P1” suffix to the standard code, we deliver an instrument with this power supply: 22...36VAC and 19...70VDC
- Putting “P2” suffix to the standard code, we deliver an instrument with this power supply: 44...130VAC and 70....240VDC

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/√3/V, 110/√3V, 100V, 110V, 230V, 440V, 500V
- When ordering, the end scale value must be indicated

WAVEFORM

- OS (Sinusoidal wave, factor form 1,11)
- OSP (Partial sinusoidal wave form (SCR))
- OSD (Distorted sinusoidal wave form)
- DS (Double half-wave form)
- OQ (Square wave form)

LINEARITY DIAGRAMS BETWEEN INPUTS AND OUTPUTS

DIMENSIONS in mm

- The 52,5 mm dimension corresponds to 3 DIN modules
- The 105 mm dimension corresponds to 6 DIN modules
MEASUREMENT TRANSDUCERS - TRUE RMS

SINGLE PHASE

- Auxiliary power supply: see table
- Input nominal values: see table
- Response time ≤ 300 ms
- Dimensions: 2 DIN modules

- Selectable output nominal values 1-5-10VDC and 1-5-10-20-4/20mA DC
- Resistive load: 700Ω
- Class 0,5
- Transparent sealable front cover

Current transducers

230
Voltage transducers

230
Frequency transducers

230
Single phase active power transducers

230
DC line power transducers

230

<table>
<thead>
<tr>
<th>Power supply</th>
<th>Signal input (A)</th>
<th>Signal input (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1COR2A...</td>
<td>4-20 mA DC</td>
<td>4-20 mA DC</td>
</tr>
<tr>
<td></td>
<td>20 mA DC</td>
<td>10 V DC</td>
</tr>
<tr>
<td></td>
<td>10 mA DC</td>
<td>5 V DC</td>
</tr>
<tr>
<td></td>
<td>5 mA DC</td>
<td>1 V DC</td>
</tr>
<tr>
<td></td>
<td>1 mA DC</td>
<td>1 mA DC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power supply</th>
<th>Signal input (A)</th>
<th>Signal input (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1COR2V...</td>
<td>4-20 mA DC</td>
<td>4-20 mA DC</td>
</tr>
<tr>
<td></td>
<td>20 mA DC</td>
<td>10 V DC</td>
</tr>
<tr>
<td></td>
<td>10 mA DC</td>
<td>5 V DC</td>
</tr>
<tr>
<td></td>
<td>5 mA DC</td>
<td>1 V DC</td>
</tr>
<tr>
<td></td>
<td>1 mA DC</td>
<td>1 mA DC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power supply</th>
<th>Signal input (A)</th>
<th>Signal input (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1COR2F...</td>
<td>4-20 mA DC</td>
<td>4-20 mA DC</td>
</tr>
<tr>
<td></td>
<td>20 mA DC</td>
<td>10 V DC</td>
</tr>
<tr>
<td></td>
<td>10 mA DC</td>
<td>5 V DC</td>
</tr>
<tr>
<td></td>
<td>5 mA DC</td>
<td>1 V DC</td>
</tr>
<tr>
<td></td>
<td>1 mA DC</td>
<td>1 mA DC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power supply</th>
<th>Signal input (A)</th>
<th>Signal input (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1COR2P...</td>
<td>4-20 mA DC</td>
<td>4-20 mA DC</td>
</tr>
<tr>
<td></td>
<td>20 mA DC</td>
<td>10 V DC</td>
</tr>
<tr>
<td></td>
<td>10 mA DC</td>
<td>5 V DC</td>
</tr>
<tr>
<td></td>
<td>5 mA DC</td>
<td>1 V DC</td>
</tr>
<tr>
<td></td>
<td>1 mA DC</td>
<td>1 mA DC</td>
</tr>
</tbody>
</table>

Sole power supply 24VAC
Sole power supply 110VAC
Sole power supply 22...36VAC and 19...70VDC
Sole power supply 44...130VAC and 70...240VDC

Preliminary range
Contact REVALCO for delivery time information

CODES TABLE

<table>
<thead>
<tr>
<th>2 DIN modules identification</th>
<th>measuring unit</th>
<th>Selectable output nominal values</th>
</tr>
</thead>
<tbody>
<tr>
<td>1COR2A...</td>
<td>1 A</td>
<td>500V AC or DC</td>
</tr>
<tr>
<td></td>
<td>5 A</td>
<td>500V AC or DC</td>
</tr>
<tr>
<td>1COR2B...</td>
<td>10 A</td>
<td>1000V AC or DC</td>
</tr>
<tr>
<td></td>
<td>11 A</td>
<td>1100V AC or DC</td>
</tr>
<tr>
<td>1COR2C...</td>
<td>15 A</td>
<td>1500V AC or DC</td>
</tr>
<tr>
<td></td>
<td>25 A</td>
<td>2500V AC or DC</td>
</tr>
<tr>
<td>1COR2D...</td>
<td>50 A</td>
<td>5000V AC or DC</td>
</tr>
</tbody>
</table>

5A500 = calibration 5A 500V AC (internal CT measurement)

500V = input 500V AC or DC
100V = input 100V AC or DC
220V = input 220V AC or DC
500V = input 500V AC or DC
1000V = input 1000V AC or DC
2500V = input 2500V AC or DC
5000V = input 5000V AC or DC

A = current
V = voltage
F = frequency
P = active power
C = DC line power

Contact REVALCO for delivery time information
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 terminals Nos, 17 and 18.

**EXTERNAL POWER SUPPLY**

- **1CORIA - AC**
  - Nominal input values: 1A and 5A present on the same transducer
  - Nominal output values: 1 - 5 - 10 VDC and 1 - 5 - 10 - 20 - 4/20 mA DC
  - Measuring range: 0 - In
  - Accuracy class: 0.5%
  - Overload: Permanent: 2 In, Instantaneous: 10 ln for 1 sec.
  - Response time: ≤ 300 ms
  - Alternated residual: ≤ 1%
  - Operating frequency: 50/60 Hz
  - Galvanic separation between inputs and outputs: 2kV for 1 min at 50 Hz, 4kV for 1 min at 50 Hz
  - Operating temperature: 0 °C ÷ +55 °C
  - Input wave form: OS
  - Dimensions / Weight: 3 DIN modules / 0.27 Kg
  - Auxiliary supply (separate): 230V AC standard, 60 mV standard

- **1CORIC - DC**
  - Nominal input values: 1A and 5A present on the same transducer
  - Nominal output values: 1 - 5 - 10 mA DC
  - Measuring range: 0 - In
  - Accuracy class: 0.5%
  - Overload: Permanent: 2 In, Instantaneous: 10 ln for 1 sec.
  - Response time: ≤ 300 ms
  - Alternated residual: ≤ 1%
  - Operating frequency: 50/60 Hz
  - Galvanic separation between inputs and outputs: 2kV for 1 min at 50 Hz, 4kV for 1 min at 50 Hz
  - Operating temperature: 0 °C ÷ +55 °C
  - Input wave form: OS
  - Dimensions / Weight: 6 DIN modules / 0.50 Kg
  - Auxiliary supply (separate): 230V AC standard, 60 mV standard

**SELF SUPPLIED**

- **1CORIAA5 20**
  - Nominal input values: 5A
  - Nominal output values: 20 mA CC
  - Resistive load: 300 Ω
  - Measuring range: 0 - ln
  - Accuracy class: 0.5%
  - Overload: 1.2 ln
  - Response time: ≤ 300 ms
  - Alternated residual: ≤ 2%
  - Operating frequency: 50/60 Hz
  - Burden: 3 VA
  - Galvanic separation between inputs and outputs: 2kV for 1 min at 50 Hz
  - Operating temperature: 0 °C ÷ +55 °C
  - Input wave form: OS
  - Dimensions / Weight: 2 DIN modules / 0.25 Kg
  - Different technical characteristic can be considered, under specific requests

- **1CORIAA1 20**
  - Nominal input values: 1A
  - Nominal output values: 20 mA CC
  - Resistive load: 300 Ω
  - Measuring range: 0 - ln
  - Accuracy class: 0.5%
  - Overload: 1.2 ln
  - Response time: ≤ 300 ms
  - Alternated residual: ≤ 2%
  - Operating frequency: 50/60 Hz
  - Burden: 3 VA
  - Galvanic separation between inputs and outputs: 2kV for 1 min at 50 Hz
  - Operating temperature: 0 °C ÷ +55 °C
  - Input wave form: OS
  - Dimensions / Weight: 2 DIN modules / 0.25 Kg
  - Different technical characteristic can be considered, under specific requests

- **1CORIAA5 10**
  - Nominal input values: 5A
  - Nominal output values: 10 V CC
  - Resistive load: >10 kΩ
  - Measuring range: 0 - ln
  - Accuracy class: 0.5%
  - Overload: 1.2 ln
  - Response time: ≤ 300 ms
  - Alternated residual: ≤ 2%
  - Operating frequency: 50/60 Hz
  - Burden: 3 VA
  - Galvanic separation between inputs and outputs: 2kV for 1 min at 50 Hz
  - Operating temperature: 0 °C ÷ +55 °C
  - Input wave form: OS
  - Dimensions / Weight: 2 DIN modules / 0.25 Kg
  - Different technical characteristic can be considered, under specific requests

- **1CORIAA1 10**
  - Nominal input values: 1A
  - Nominal output values: 10 V CC
  - Resistive load: >10 kΩ
  - Measuring range: 0 - ln
  - Accuracy class: 0.5%
  - Overload: 1.2 ln
  - Response time: ≤ 300 ms
  - Alternated residual: ≤ 2%
  - Operating frequency: 50/60 Hz
  - Burden: 3 VA
  - Galvanic separation between inputs and outputs: 2kV for 1 min at 50 Hz
  - Operating temperature: 0 °C ÷ +55 °C
  - Input wave form: OS
  - Dimensions / Weight: 2 DIN modules / 0.25 Kg
  - Different technical characteristic can be considered, under specific requests

**DIFFERENT TECHNICAL CHARACTERISTIC CAN BE CONSIDERED, UNDER SPECIFIC REQUESTS**

**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.

**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 and for Current output connect to terminal Nos, 17 and 18.

**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).
### VOLTAGE TRANSDUCERS

#### SELF SUPPLIED

<table>
<thead>
<tr>
<th>1CORUA</th>
<th>1CORUAA</th>
<th>1CORUAA</th>
<th>1CORUA</th>
<th>1CORUA</th>
<th>1CORUA</th>
<th>1CORUA</th>
<th>1CORUA</th>
<th>1CORUA</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 20</td>
<td>100R3 20</td>
<td>230 20</td>
<td>100 40</td>
<td>100 10</td>
<td>100R3 10</td>
<td>230 10</td>
<td>100 40</td>
<td>400 10</td>
</tr>
</tbody>
</table>

- **Nominal Input Values**: 100V, 100R3V, 230V
- **Nominal Output Values**: 20 mA DC, 10 mA DC
- **Resistive Load**: 300 Ω, 300 Ω, 300 Ω
- **Measuring Range**: 0 ÷ 10 kΩ
- **Accuracy Class**: 1
- **Overload**: Permanent: 1.2 In, Instantaneous: 10 ln for 1 sec.
- **Response Time**: ≤ 300 ms
- **Alternated Residual**: ≤ 2%
- **Operating Frequency**: 50/60 Hz
- **Burdens**: 3 VA
- **Galvanic Separation Between Inputs and Outputs**: 2kV for 1 min at 50 Hz
- **Operating Temperature**: 0 °C ÷ +55 °C
- **Input Wave Form**: OS
- **Dimensions / Weight Kg**: 2 DIN modules / 0.25
- **Different technical characteristic can be considered, under specific requests**

#### EXTERNAL POWER SUPPLY

<table>
<thead>
<tr>
<th>1CORUA - AC</th>
<th>1CORUC - DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>230V AC standard</td>
<td>230V AC standard</td>
</tr>
<tr>
<td>to be specified when ordering</td>
<td>to be specified when ordering</td>
</tr>
<tr>
<td>1 - 5 - 10 VDC and 1 - 5 - 10 - 20 - 40 mA DC</td>
<td>1 - 5 - 10 VDC and 1 - 5 - 10 - 20 - 40 mA DC</td>
</tr>
<tr>
<td>0 - ln</td>
<td>0 - ln</td>
</tr>
<tr>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td>Permanent: 2 In, Instantaneous: 10 ln for 1 sec.</td>
<td>Permanent: 2 In, Instantaneous: 10 ln for 1 sec.</td>
</tr>
<tr>
<td>≤ 300 ms</td>
<td>≤ 300 ms</td>
</tr>
<tr>
<td>≤ 1%</td>
<td>≤ 1%</td>
</tr>
<tr>
<td><strong>Burdens</strong>: current circuit: ≤ 0.8 VA - power supply: ≤ 4 VA</td>
<td><strong>Burdens</strong>: current circuit: ≤ 0.8 VA - power supply: ≤ 4 VA</td>
</tr>
<tr>
<td><strong>Galvanic Separation Between Inputs and Outputs</strong>: 2kV for 1 min at 50 Hz</td>
<td><strong>Galvanic Separation Between Inputs and Outputs</strong>: 2kV for 1 min at 50 Hz</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong>: 0 °C ÷ +55 °C</td>
<td><strong>Operating Temperature</strong>: 0 °C ÷ +55 °C</td>
</tr>
<tr>
<td><strong>Input Wave Form</strong>: OS</td>
<td><strong>Input Wave Form</strong>: OS</td>
</tr>
<tr>
<td><strong>Dimensions / Weight Kg</strong>: 3 DIN modules / 0.27</td>
<td><strong>Dimensions / Weight Kg</strong>: 6 DIN modules / 0.50</td>
</tr>
<tr>
<td><strong>Different technical characteristic can be considered, under specific requests</strong></td>
<td><strong>Different technical characteristic can be considered, under specific requests</strong></td>
</tr>
</tbody>
</table>

### ELECTRICAL CONNECTORS

**Input Signal (V)**

- 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**

- Power supply

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**Selecting the required output** is achieved by adjusting the minidip keys as described in the following diagram:

![Diagram](image)

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.
FREQUENCY TRANSDUCERS

1CORF

- AUXILIARY SUPPLY (separate) 230V AC standard
- NOMINAL INPUT VALUES voltage: 100V ÷ 500V AC
- NOMINAL OUTPUT VALUES (selectable) 1 - 5 - 10 - VDC and 1 - 5 - 10 - 20 - 4/20 mA DC
- RESISTIVE LOAD 700Ω
- MEASURING RANGE 45 / 65 Hz standard (other on request)
- ACCURACY CLASS 0.5
- OVERLOAD Permanent: 1.2 Un Instantaneous: 2 Un for 1 sec.
- RESPONSE TIME ≤ 300 ms
- ALTERNATED RESIDUAL ≤ 1%
- BURDEN voltage ≤ 1VA 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
- INPUT WAVE FORM (page 107) OS - OQ - OSP
- DIMENSIONS / WEIGHT Kg. 3 DIN modules / 0.25
- Different technical characteristic can be considered, under specific requests

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

SELECTABLE OUTPUTS

1mA

5mA

10mA

20mA

1 V

0.5 V

0.25 V

-4-20 mA

0-10 mA

0-5 mA

0-20 mA

-4-20 mA

0-10 mA

0-5 mA

0-20 mA

Power supply +

100-500 V

Input signal (Hz)
POWER FACTOR TRANSDUCERS

1CORFP10 - 1CORFP20

The transducer have galvanic separation between inputs and outputs and the capability to offer multiple choice by terminal selection and 8 outputs (±1, ±5, ±10 VDC and ±1, ±5, ±10, ±20, 4/20 mA DC).

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

- AUXILIARY SUPPLY (separate)
- NOMINAL INPUT VALUES
- NOMINAL OUTPUT VALUES (selectable)
- 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
- DIMENSIONS / WEIGHT Kg.
- Different technical characteristic can be considered, under specific requests

1CORFP10 - Single phase
- 230V AC standard
- voltage: 230V AC
- current: 5A (1A on 1CORFP..B type)
- ±1, ±5, ±10 VDC and ±1, ±5, ±10, ±20, 4/20 mA DC
- 700/2 max
- 0,5 (cap) - 1 - 0,5 (ind) standard
- Permanent: 2 In / 1,2 Un - Instantaneous: 10 In / 2 Un for 1 sec
- ≤ 300 ms
- ≤ 1%
- 50/60 Hz
- Voltage circuit ≤ 1VA current circuit ≤ 0,8VA 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
- 0 °C = +55 °C
- OS - OSD (schemes D10, D2)
- 6 DIN modules / 0,50

1CORFP20 - Three phase, balanced load, 3 wires
- 230V / 400V AC standard
- voltage: 400V AC
- current: 5A (1A on 1CORFP..B type)
- ±1, ±5, ±10 VDC and ±1, ±5, ±10, ±20, ±4/20 mA DC
- ≤ 100 ms
- ≤ 1%
- 50/60 Hz
- Voltage circuit ≤ 5VA current circuit ≤ 0,8VA 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
- 0 °C = +55 °C
- OS - OSD (schemes D10, D2)
- 6 DIN modules / 0,50

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

- Voltage output 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.

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.

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

**Active Power**

**Reactive Power**

- Selectable bidirectional outputs
- Selectable bidirectional outputs with serial output RS485
- Modbus Slave RTU Protocol
- Input wave form
- Nominal output values (selectable)
- Auxiliary supply (separate)
- Nominal input values
- Resistive load / measuring range
- Standard calibration
- Accuracy class / operating frequency
- Overload
- Response time / alternated residual
- Galvanic separation between inputs and outputs

**SINGLE PHASE ACTIVE AND REACTIVE POWER TRANSDUCERS**

1CORPA10 / 1CORPR10 - 1CORPA10485 / 1CORPR10485

- Selectable positive and negative outputs
- Selectable positive only outputs

Voltage circuit: 1 VA
Current circuit: 0.8 VA
Power supply: 4 VA

NOMINAL INPUT VALUES
- Voltage: 230V standard
- Current: 5A (1A on request)

NOMINAL OUTPUT VALUES (selectable)
- ±1, ±5, ±10 VDC
- ±1, ±5, ±10, ±20, ±4/20 mA DC

AUXILIARY SUPPLY (separate)
- 230V/400V AC standard
- Voltage: 230V standard - current: 5A (1A on request)
- 700VA max / 0 + Pn (0 + Qn)

Overload:
- Permanent: 2 In / 1.2 Un
- Instantaneous: 10 In / 2 Un for 1 sec.

Response time / alternated residual:
- ≤ 300 ms / ≤ 1%

Power supply 24V AC for 1 min at 50 Hz.

Operating temperature / dimensions / weight Kg.

Different technical characteristics can be considered, under specific requests.

The software is available, free of charge, on our internet address www.revalco.it

1CORPA10 / 1CORPA10485 - 1CORPR10 / 1CORPR10485

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.
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.

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 (1-5-10 VDC and 1-5-10-20 mA 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)

Active Power
- SELECTABLE BIDIRECTIONAL OUTPUTS
- SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485
- MODBUS SLAVE RTU PROTOCOL
- INPUT WAVE FORM
- NOMINAL OUTPUT VALUES (selectable)
- AUXILIARY SUPPLY (separate)
- NOMINAL INPUT VALUES
- RESISTIVE LOAD / MEASURING RANGE
- STANDARD CALIBRATION
- ACCURACY CLASS / OPERATING FREQUENCY
- OVERLOAD
- RESPONSE TIME / ALTERNATED RESIDUAL
- BURDEN
- GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS
- OPERATING TEMPERATURE / DIMENSIONS / WEIGHT Kg.

Different technical characteristic can be considered, under specific requests.

The software is available, free of charge, on our internet address www.revalco.it
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.
THREE PHASE ACTIVE AND REACTIVE TRANSDUCERS
BALANCED LOAD, 4 WIRES WITH NEUTRAL

1CORPA4 / 1CORPR4 - 1CORPA40 / 1CORPR40 - 1CORPA40485 / 1CORPR40485

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 (1-5-10 VDC and 1-5-10-20-40 mA 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)

- SELECTABLE BI DIRECTIONAL OUTPUTS
- SELECTABLE BI DIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485
- MODBUS SLAVE RTU PROTOCOL
- INPUT WAVE FORM
- NOMINAL OUTPUT VALUES (selectable)
- AUXILIARY SUPPLY (separate)
- NOMINAL INPUT VALUES
- RESISTIVE LOAD / MEASURING RANGE
- STANDARD CALIBRATION
- ACCURACY CLASS / OPERATING FREQUENCY
- OVERLOAD
- RESPONSE TIME / ALT ERNATED RESIDUAL
- BURDEN
- GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS
- OPERATING TEMPERATURE / DIMENSIONS / WEIGHT Kg.

Different technical characteristic can be considered, under specific requests.

The software is available, free of charge, on our internet address www.revalco.it

1CORPA40 / 1CORPR40 - 1CORPA40485 / 1CORPR40485

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
1CORPA40485

1CORPR40
1CORPR40485

OS - OSD (schemes D10, D2)

\[ \pm 1, \pm 5, \pm 10 \text{ VDC} \text{ and } \pm 1, \pm 5, \pm 10, \pm 20, \pm 40 \text{ mA DC} \]

230V / 400V AC standard

voltage: 400V standard - current: 5A (1A on request)

700\( \Omega \) max / 0 + Pn (0 + On)

100V, 5A = 1000W (var)  230V, 5A = 2000W (var)  400V, 5A = 4000W (var)

0.5 / 50 - 60 Hz

Permanent: 2 ln / 1.2 Un  Instantaneous: 10 ln / 2 Un for 1 sec.

\[ \leq 300 \text{ ms} \leq 1\% \]

voltage circuit \( \leq 1\text{VA} \)  current circuit \( \leq 0.8\text{VA} \)  power supply \( \leq 4\text{VA} \)

insulation between inputs, outputs, power supply 2kV for 1min at 50Hz

insulation between all circuits and earth 4kV for 1min at 50Hz

0°C +55°C / 6 DIN modules / 0.50

1CORPA4 / 1CORPR4 - 1CORPA40 / 1CORPR40 - 1CORPA40485 / 1CORPR40485

Different technical characteristic can be considered, under specific requests.

The software is available, free of charge, on our internet address www.revalco.it

1CORPA40 / 1CORPR40 - 1CORPA40485 / 1CORPR40485

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

Different technical characteristic can be considered, under specific requests.

The software is available, free of charge, on our internet address www.revalco.it

1CORPA40 / 1CORPR40 - 1CORPA40485 / 1CORPR40485

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

Different technical characteristic can be considered, under specific requests.

The software is available, free of charge, on our internet address www.revalco.it

1CORPA40 / 1CORPR40 - 1CORPA40485 / 1CORPR40485

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

Different technical characteristic can be considered, under specific requests.

The software is available, free of charge, on our internet address www.revalco.it

1CORPA40 / 1CORPR40 - 1CORPA40485 / 1CORPR40485

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.
Three Phase Active and Reactive Transducers
Unbalanced Load, 4 Wires with Neutral

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

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 (1-5-10 VDC and 1-5-10-20 mA 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)

- **Active Power**
- **Reactive Power**
- SELECTABLE BIDIRECTIONAL OUTPUTS
- SELECTABLE BIDIRECTIONAL OUTPUTS WITH SERIAL OUTPUT RS485
- MODBUS SLAVE RTU PROTOCOL
- INPUT WAVE FORM
- NOMINAL OUTPUT VALUES (selectable)
- AUXILIARY SUPPLY (separate)
- NOMINAL INPUT VALUES
- RESISTIVE LOAD / MEASURING RANGE
- STANDARD CALIBRATION
- ACCURACY CLASS / OPERATING FREQUENCY
- OVERLOAD
- RESPONSE TIME / ALTERNATED RESIDUAL
- BURDEN
- GALVANIC SEPARATION BETWEEN INPUTS AND OUTPUTS
- OPERATING TEMPERATURE / DIMENSIONS / WEIGHT Kg.

Different technical characteristic can be considered, under specific requests.

The software is available, free of charge, on our internet address www.revalco.it

1CORPA50 / 1CORPR50 - 1CORPA50485 / 1CORPR50485

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

1CORPA50 / 1CORPR50 - 1CORPA50485 / 1CORPR50485

- SELECTABLE POSITIVE AND NEGATIVE OUTPUTS
- SELECTABLE POSITIVE ONLY OUTPUTS

1CORPA50 / 1CORPR50

1CORPA50485 / 1CORPR50485

4-20mA, 0-5mA, 0-10mA DC

1CORPA50 / 1CORPR50

1CORPA50485 / 1CORPR50485

4-20mA, 0-5mA, 0-10mA DC

Different technical characteristic can be considered, under specific requests.

The software is available, free of charge, on our internet address www.revalco.it