

# POWER CONTRACTORS (PTY) LTD

Reg. No. 1950/035961/07 VAT Reg. No. 4660104318

## ELECTRICAL ENGINEERS

P.O. Box 553 Modderfontein South Africa 1645  
 42 Longmeadow Boulevard Longmeadow Business Estate Edenvale 1609  
 GPS: 26° 6' 55"S 28° 8' 9"E [next to Longmeadow ENGEN One-Stop]

Tel: +27 (0)11 807-4533  
 email: [sales@powercontractors.co.za](mailto:sales@powercontractors.co.za)

Fax: +27 (0)11 807-4504  
 website: [www.powercontractors.co.za](http://www.powercontractors.co.za)



## POWERCON TRANSDUCER PRICE LIST JAN 2018

AC CURRENT TRANSDUCERS												Select Specific "Input" and "Output" and "Auxiliary Supply" when ordering. Other ranges made upon request.									
Type	Enclosure	Function	Input		Output							Aux Supply					Price (Excl VAT)				
			0-1A	0-5A	0-1mA	0-5mA	0-10mA	0-20mA	0-1V	0-5V	0-10V	Live Zero 4-20mA	Live Zero 1-5V	Self Powered	110V AC	230V AC		24V DC	48V DC	110V DC	24V DC LOOP
<a href="#">CA4</a>	LDG6	Arithmetic, Self Powered <i>(eg. Input 0-5A; Output 0-20mA; Self Powered)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							R 925.00
<a href="#">CA5</a>	LDG10	Arithmetic <i>(eg. Input 0-1A; Output 0-10V; Aux 110V DC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓			R 1,735.00
<a href="#">CA6</a>	LDG6	Compact, Arithmetic, 24V DC Loop Powered <i>(eg. Input 0-1A; Output 4-20mA; 24V DC Loop Power)</i>	✓	✓								✓							✓		R 955.00
<a href="#">CA7</a>	LDG6	Compact, Arithmetic <i>(eg. Input 0-1A; Output 0-10V; Aux 110V AC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						R 1,150.00
<a href="#">CRMS</a>	LDG10	True RMS <i>(eg. Input 0-5A RMS; Output 4-20mA; Aux 110V DC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R 2,395.00

AC VOLTAGE TRANSDUCERS												Select Specific "Input" and "Output" and "Auxiliary Supply" when ordering. Other ranges made upon request.									
Type	Enclosure	Function	Input		Output							Aux Supply					Price (Excl VAT)				
			0-10V AC to 0-600V AC	10-600V AC	0-1mA	0-5mA	0-10mA	0-20mA	0-1V	0-5V	0-10V	Live Zero 4-20mA	Live Zero 1-5V	Self Powered	110V AC	230V AC		24V DC	48V DC	110V DC	24V DC LOOP
<a href="#">VA4</a>	LDG6	Arithmetic, Self Powered (0-70V AC Minimum) <i>(eg. Input 0-250V, Output 0-5V, Self Powered)</i>	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							R 925.00
<a href="#">VA5</a>	LDG10	Arithmetic <i>(eg. Input 0-550V, Output 4-20mA, Aux 48V DC)</i>	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓			R 1,735.00
<a href="#">VA5-W</a>	LDG10	Arithmetic Window <i>(eg. Input 80-150V, Output 4-20mA, Aux 24V DC)</i>		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		R 1,810.00
<a href="#">VA6</a>	LDG6	Compact, Arithmetic, 24V DC Loop Powered <i>(eg. Input 0-90V, Output 4-20mA, 24V DC Loop Power)</i>	✓									✓							✓		R 955.00
<a href="#">VA7</a>	LDG6	Compact, Arithmetic <i>(eg. Input 0-450V, Output 4-20mA, Aux 230V AC)</i>	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						R 1,150.00
<a href="#">VRMS</a>	LDG10	True RMS <i>(eg. Input 0-600V RMS, Output 0-10mA, Aux 110V AC)</i>	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R 2,395.00

## DC TO DC TRANSUDCERS

Select Specific "Input" and "Output" and "Auxiliary Supply" when ordering. Other ranges made upon request.

Type	Enclosure	Function	Input				Output				Aux Supply					Price (Excl VAT)			
			0-1/5/10/20mA	0-50/60/75/100mV (from Shit)	0-1/5/10/150/600V	Live Zero 4-20mA / 1-5V	Bipolar (eg -10-0-10V)	0-1/5/10/20mA	0-1/5/10V	Live Zero 4-20mA / 1-5V	Bipolar (eg -10-0-10V)	Self Powered	110V AC	230V AC	24V DC		48V DC	110V DC	24V DC LOOP
<a href="#">VDC1</a>	LDG6	mA Only, self powered. (Input = output) (eg. Input 0-20mA, Output 0-20mA, Self Powered)	✓			✓				✓								R	925.00
<a href="#">VDC4GS</a>	LDG10	Arithmetic (eg. Input 4-20mA, Output 10-0-10V, Aux 24V DC)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	1,735.00
<a href="#">VDC4GS</a>	LDG10	3 WIRE TAP POSITION (For Transformer Tap Positions) (eg. 17 Tap Positions, Output 4-20mA, Aux 110V DC)								✓	✓	✓	✓	✓	✓	✓		R	1,735.00
<a href="#">VDC5GS</a>	DINA	Arithmetic - with greater input/output isolation (eg. Input 4-20mA, Output 10-0-10V, Aux 230V AC)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				R	4,238.00

## TEMP. & RESISTANCE TRANSUDCERS

Select Specific "Input" and "Output" and "Auxiliary Supply" when ordering. Other ranges made upon request.

Type	Enclosure	Function	Input		Output							Aux Supply					Price (Excl VAT)				
			PT100	Thermocouple (mV)	Resistance (Ohms)	0-1mA	0-5mA	0-10mA	0-20mA	0-1V	0-5V	0-10V	Live Zero 4-20mA / 1-5V	Bipolar (eg -10-0-10V)	110V AC	230V AC		24V DC	48V DC	110V DC	
<a href="#">RTD</a>	LDG10	Temperature - PT100 (eg. Input 0-150 °C, Output 4-20mA, Aux 230V AC)	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	1,735.00
<a href="#">THC</a>	LDG10	Temperature Thermocouple (eg. Input 0-500°C Type K, Output 4-20mA, Aux 24V DC)	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	1,970.00
<a href="#">RT</a>	LDG10	Resistance (eg. Input 40-370Ω, Output 0-10V, Aux 110V AC)		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	1,735.00

## FREQUENCY TRANSUDCERS

Select Specific "Input" and "Output" and "Auxiliary Supply" when ordering. Other ranges made upon request.

Type	Enclosure	Function	Input		Output							Aux Supply					Price (Excl VAT)				
			44-50-55 Hz	50-400V	0-0.5-1mA	0-2.5-5mA	0-5-10mA	0-10-20mA	0-0.5-1V	0-2.5-5V	0-5-10V	Live Zero 4-12-20mA	Live Zero 1-3-5V	Bipolar (eg -10-0-10V)	110V AC	230V AC		24V DC	48V DC	110V DC	
<a href="#">F3</a>	DIN A	Window (eg. Input 45-50-55Hz, Output 4-12-20mA, Aux 24VDC)	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,135.00

## PHASE ANGLE (Cosθ) TRANSUDCERS

Select Specific "Input" and "Output" and "Auxiliary Supply" when ordering. Other ranges made upon request.

Type	Enclosure	Function	Input		Output							Aux Supply					Price (Excl VAT)				
			0-1A / 0-5A	50-400V	0-0.5-1mA	0-2.5-5mA	0-5-10mA	0-10-20mA	0-0.5-1V	0-2.5-5V	0-5-10V	Live Zero 4-12-20mA	Live Zero 1-3-5V	Bipolar (eg -10-0-10V)	110V AC	230V AC		24V DC	48V DC	110V DC	
<a href="#">PF1</a>	DIN B	Single Phase (eg. Input 0.5ld-1-0.5lag, Output 4-12-20mA, Aux24VDC)	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,135.00
<a href="#">PF33B</a>	DIN B	Three Phase Balanced (eg. Input 0.7ld-0-0.3lag, Output 1-5V, Aux 24VDC)	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,135.00

## ACTIVE POWER (kW) TRANSDUCERS

Select Specific "Input" and "Output" and "Auxiliary Supply" when ordering. Other ranges made upon request.

Type	Enclosure	Function	Input	Output									Aux Supply					Price (Excl VAT)		
			0-1A / 0-5A 0-600V	0-1mA	0-5mA	0-10mA	0-20mA	0-1V	0-5V	0-10V	Live Zero 4-20mA	Live Zero 1-5V	Bipolar (eg -10-0-10V)	110V AC	230V AC	24V DC	48V DC		110V DC	
<a href="#">WA1</a>	DIN B	Single Phase <i>(eg. 230V 15/5A 0-3,5kW=4-20mA, Aux110VAC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,135.00
<a href="#">WA33B</a>	DIN B	3 Phase 3 Wire Balanced (1CT) <i>(eg. 6600/110V 2000/5A 0-20MW=4-20mA, Aux110VAC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,135.00
<a href="#">WA33U</a>	DIN B	3 Phase 3 Wire Unbalanced (2CTs) <i>(eg. 400V 800/5A 0-500kW=4-20mA, Aux24VDC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,515.00
<a href="#">WA34U</a>	DIN B	3 Phase 4 Wire Unbalanced (3CTs) <i>(eg. 11000/110V 600/5A 0-12MW=0-10V, Aux110VDC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,940.00

## REACTIVE POWER (kVar) TRANSDUCERS

Select Specific "Input" and "Output" and "Auxiliary Supply" when ordering. Other ranges made upon request.

Type	Enclosure	Function	Input	Output									Aux Supply					Price (Excl VAT)		
			0-1A / 0-5A 0-600V	0-1mA	0-5mA	0-10mA	0-20mA	0-1V	0-5V	0-10V	Live Zero 4-20mA	Live Zero 1-5V	Bipolar (eg -10-0-10V)	110V AC	230V AC	24V DC	48V DC		110V DC	
<a href="#">BA1</a>	DIN B	Single Phase <i>(eg. 230V 15/5A 0-1kVar=4-20mA, Aux110VAC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,135.00
<a href="#">BA33B</a>	DIN B	3 Phase 3 Wire Balanced (1CT) <i>(eg. 6600/110V 2000/5A 0-10MVar=4-20mA, Aux230V)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,135.00
<a href="#">BA33U</a>	DIN B	3 Phase 3 Wire Unbalanced (2CTs) <i>(eg. 400V 800/5A 0-200kVar=4-20mA, Aux24VDC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,515.00
<a href="#">BA34U</a>	DIN B	3 Phase 4 Wire Unbalanced (3CTs) <i>(eg. 11000/110V 600/5A 0-5MVar=0-10V, Aux110VDC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,940.00

## APPARENT POWER (kVA) TRANSDUCERS

Select Specific "Input" and "Output" and "Auxiliary Supply" when ordering. Other ranges made upon request.

Type	Enclosure	Function	Input	Output									Aux Supply					Price (Excl VAT)		
			0-1A / 0-5A 0-600V	0-1mA	0-5mA	0-10mA	0-20mA	0-1V	0-5V	0-10V	Live Zero 4-20mA	Live Zero 1-5V	Bipolar (eg -10-0-10V)	110V AC	230V AC	24V DC	48V DC		110V DC	
<a href="#">VA1</a>	DIN B	Single Phase <i>(eg. 230V 15/5A 0-3,5kVA=4-20mA, Aux110VAC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,135.00
<a href="#">VA33B</a>	DIN B	3 Phase 3 Wire Balanced (1CT) <i>(eg. 6600/110V 2000/5A 0-20MVA=4-20mA, Aux110VAC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,515.00
<a href="#">VA33U</a>	DIN B	3 Phase 3 Wire Unbalanced (2CTs) <i>(eg. 400V 800/5A 0-500kVA=4-20mA, Aux24VDC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R	3,835.00

# COMBINED kW & kVA TRANSDUCERS

Select Specific "Input" and "Output" and "Auxiliary Supply" when ordering.  
Other ranges made upon request.

Type	Enclosure	Function	Input		Output								Aux Supply					Price (Excl VAT)	
			0-1A /0-5A 0-600V	0-600V	0-1mA	0-5mA	0-10mA	0-20mA	0-1V	0-5V	0-10V	Live Zero 4-20mA	Live Zero 1-5V	Bipolar (eg -10-0-10V)	110V AC	230V AC	24V DC		48V DC
<a href="#">7744-3</a>	RG2000	3 Phase 3 Wire Unbalanced (2CTs) <i>(eg.400V 800/5A 0-600kVA=4-20mA, 0-600kW=4-20mA Aux24VDC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R 6,200.00
<a href="#">7744-4</a>	RG2000	3 Phase 4 Wire Unbalanced (3CTs) <i>(eg.11000/110V 600/5A 0-12MVA=0-5V, 0-12MW=0-5V Aux110VDC)</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	R 6,200.00

# SUNDRY TRANSDUCERS

Select Specific "Input" and "Output" and "Auxiliary Supply" when ordering.  
Other ranges made upon request.

Type	Enclosure	Function	Price (Excl VAT)
<a href="#">LAG</a>	LDG10	Thermal Lag	POA
<a href="#">DIP3</a>	DIN A	Demand Integrator	POA
<a href="#">P/mA</a>	LDG10	Pulse Rate - (Pulse Input)	R 2,770.00
<a href="#">AMP</a>	DIN A	Amplifier (Usually Current Output)	POA
<a href="#">IC3</a>	LDG10	Pulse Integrator - (Relay Output)	R 1,915.00
<a href="#">SUM</a>	DIN A	Summator - Up to 6 inputs (mA Inputs)	R 2,235.00
<a href="#">DIV</a>	540	Divider kW-kVA	POA
<a href="#">LEAD/LAG</a>	540	Change Over Unit	POA
<a href="#">2PT</a>	540	CHECK RELAY - DC Voltage, DC Current. Relay Output switches on 1 setpoint.	R 1,915.00
<a href="#">2PT</a>	540	CHECK RELAY - AC Voltage, AC Current. Relay Output switches on 1 setpoint	R 2,075.00
<a href="#">3PT</a>	540	CHECK RELAY - DC Voltage, DC Current. Relay Output switches on 2 setpoints.	POA



LDG6 Enclosure



LDG10 Enclosure



RG2000 Enclosure



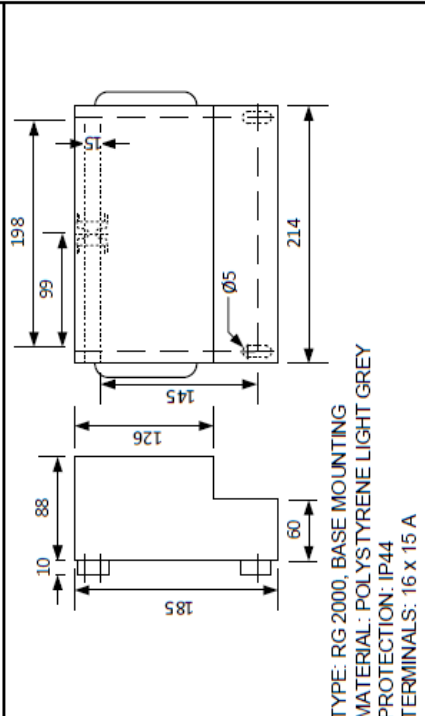
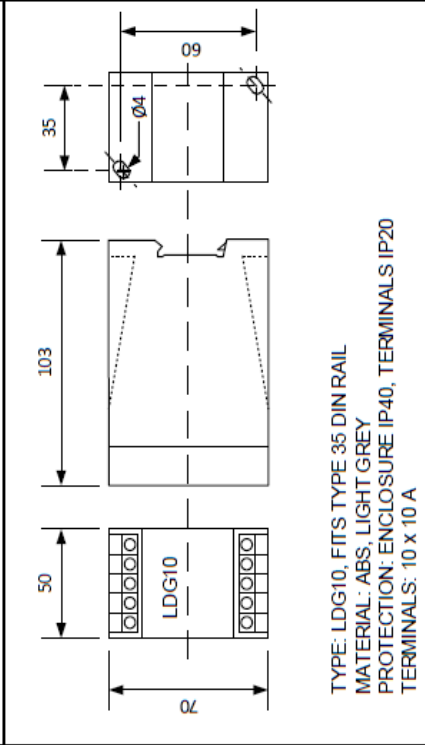
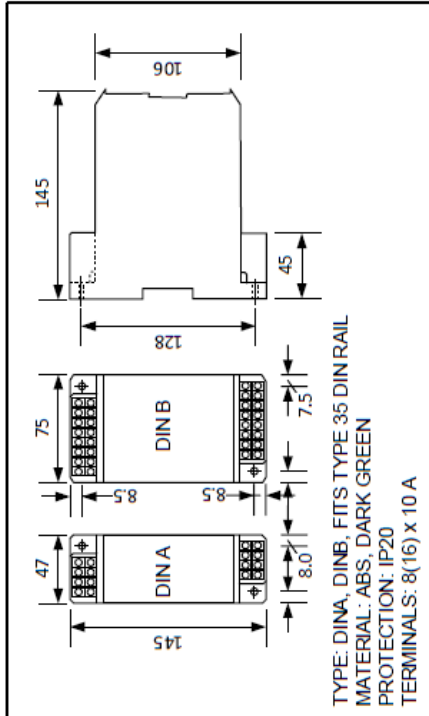
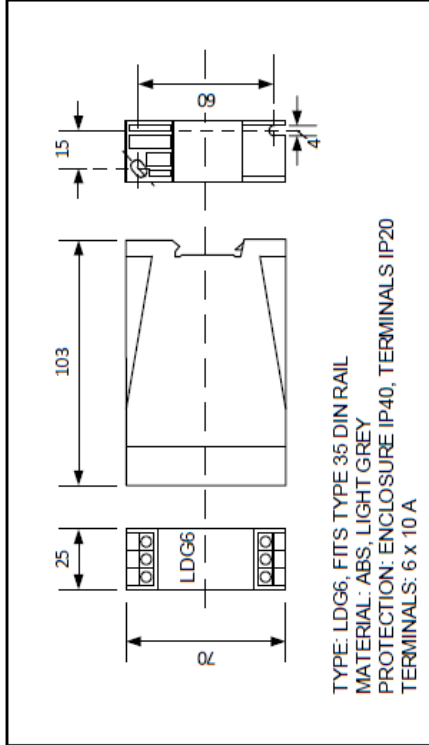
DIN A Enclosure



DIN B Enclosure

10 11 12 13 14 15 16 17 18 19

Text on this drawing shall not be smaller than this



THIS DRAWING IS THE PROPERTY OF  
**POWER CONTRACTORS (PTY) LTD**  
 AND IS CONFIDENTIAL.  
 THIS DRAWING MAY NOT BE COPIED  
 OR REVEALED TO ANY 3<sup>RD</sup> PARTY  
 WITHOUT WRITTEN PERMISSION  
 FROM THE OWNERS.

**POWER CONTRACTORS**  
[www.powercontractors.co.za](http://www.powercontractors.co.za)

**POWER CONTRACTORS**

DRAWING:		LC	
CHECKED:		LC	
REVISION:		B	
DATE:		21 May 2015	

TITLE: <b>Powercon Transducer Housing Dimensions</b>			
CUSTOMER:	Generic	OTHER:	N/A
SIZE:	A4	DRAWING NO:	4PCD1V223ME2/1
FILENAME:	PCN0xx Transducer Housings RevB.vsdX		

10 11 12 13 14 15 16 17 18 19

1 of 1