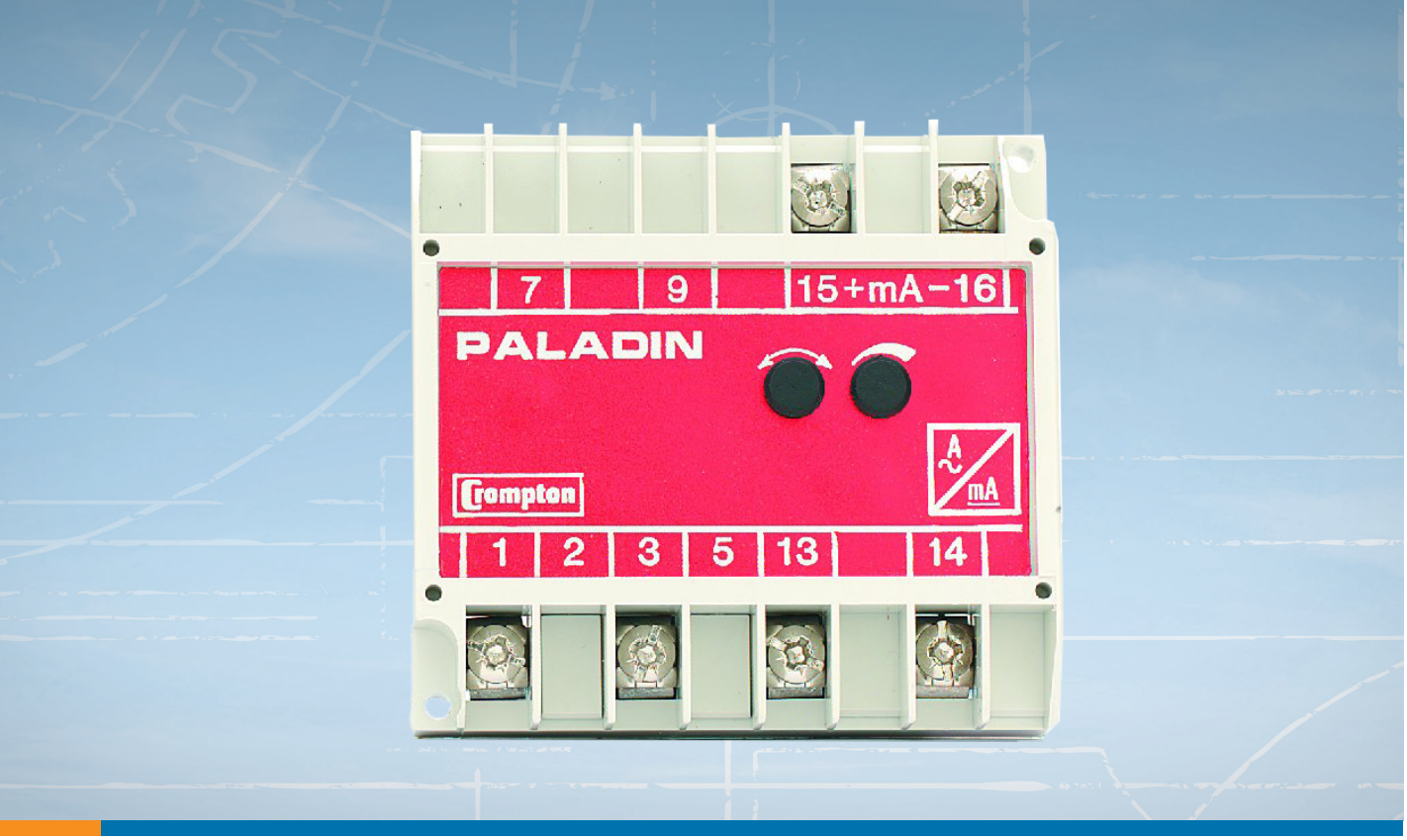


VOLTAGE TRANSDUCERS

TRANSDUCERS

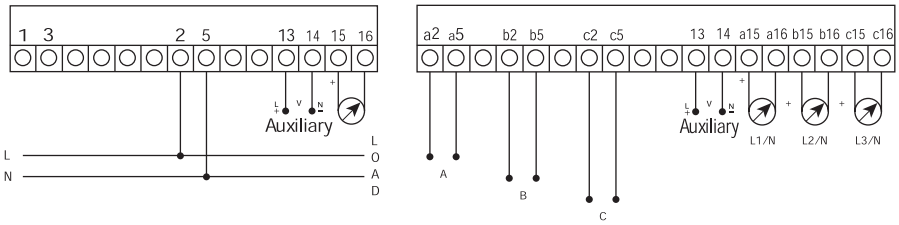
KEY FEATURES

- Conversion to standard DC output signals
- Outputs suitable for indication, PLCs
- Multiple outputs in single housing
- Exceptional waveforms handling
- Zero and span adjustments
- Single and three-phase systems
- 3P4W, 3P3W, 1P2W system types

TE Connectivity's (TE) Crompton Instruments extensive range of transducers providing measurement, isolation, and conversion of electrical parameters into industry-standard DC output signals.

The range offers protection against high voltage and overload, and resistance to vibration in harsh electrical environments. The transducer range also offers multiple analog outputs in a single housing and individual measurement of most electrical parameters.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.



SPECIFICATIONS

	Class 0.5 range	Class 0.2 range
Performance	Designed to comply with BS 6253 part 1, EN 60688, IEC 688, AS 1384 and ANSI C37	Designed to comply with BS 6253 part 1, EN 60688, IEC 688, AS 1384 and ANSI C37
Temperature range	Storage -20°C to +70°C operating 0°C to +60°C calibrated at 23°C	Storage -55°C to +85°C operating (-20 to +70) -10°C to +60°C, calibrated at 23°C
Temperature coefficient	0.03%/per °C typical	0.01%/per °C typical
Humidity range	Up to 95% RH	Up to 95% RH
Zero adjustment	±2% minimum (except TAA & TVA)	±2% minimum
Span adjustment	±10% minimum	±10% minimum
Accuracy class	0.5 unless otherwise specified	0.2 unless otherwise specified
Accuracy range	0 to 120% (except self powered)	0 to 120% (except self powered)
Stability	+0.25% per annum typical (reducing with time)	+0.2% per annum typical (reducing with time)
Response time	<400 ms from 0 to 99% of rated output, 250ms to 90%	<200ms from 0 to 99% of rated output, <400ms to 95% for 253-THZ
DC outputs (varies by model bipolar for some models)	0/1mA into 0-10kΩ 0/5mA into 0-2kΩ 0/10mA into 0-1kΩ 0/20mA into 0-500Ω 4/20mA into 0-500Ω 0/5V 1k ohm minimum load 0/10V 1k ohm minimum load	0/1mA into 0-15kΩ 0/5mA into 0-3kΩ 0/10mA into 0-1.5kΩ 0/20mA into 0-750Ω 4/20mA into 0-750Ω 0/5V 250 ohm minimum load 0/10V 500 ohm minimum load
Current output protection	Fully protected against open and short circuited output	Fully protected against open and short circuited output
Voltage output protection	Fully protected against open circuit output	Fully protected against open circuit
Maximum output	24V DC when open circuit	24V DC when open circuit
Output ripple	<0.5% of full rated output	<0.5% of full rated output
Continuous overload capacity	2 x rated current continuous / 1.25 x rated voltage continuous	2 x rated current continuous / 1.5 x rated voltage continuous
Short duration overload capacity	20 x rated current for 1 second / 1.5 x rated voltage for 10 seconds	20 x rated current for 1 second / 2 x rated voltage for 1 second
Input burden	AC <2 VA	AC <2 VA
Auxiliary burden	<2 VA AC <3.5 W DC auxiliary voltage variation	<2 VA AC <3.5 W DC auxiliary voltage variation
Auxiliary permissible variation	AC ±20%, DC ±15% including ripple, except wide range auxiliary A2: 12-48V DC, +25%, -15% (10.2V absolute minimum to 60V absolute maximum)A5: 100 to 250V AC ±15% 85V AC absolute minimum to 287V AC absolute maximum, 100V DC to 250V DC +25%, -15% (85V DC absolute minimum to 312V DC absolute maximum)	AC ±20%, DC ±20% including ripple
Safety	To IEC 1010 with terminal cover, basic insulation category	To IEC 1010 with terminal cover,basic insulation category
Flammability	Flame retardant enclosure to UL90-V0 (terminal cover UL90-V2)	Flame retardant enclosure to UL90-V0 (terminal cover UL90-V2)
Isolation	Input/output/supply/case (except TRR, TRP, TRT and TRV with no input/output isolation)	Input/output/supply/case
Interference	In accordance with IEC 61326	In accordance with IEC 61326
Input impedance: (DC I/P)	DC 1000 ohms/volt as standard 10k ohms/volt available on request	DC 1000 ohms/volt as standard 10k ohms/volt available on request

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