



LP-1W1S SINGLE PHASE WATT TRANSDUCER



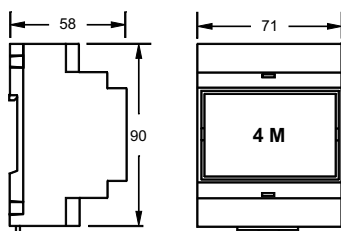
The LP-1W1S single phase watt transducer converts ac current and voltage signals into a load independent dc signal proportional to the active power flowing in a single phase system.

Specifications

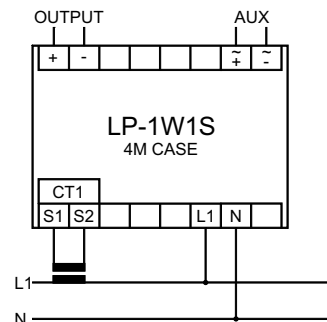
Input	AC current and voltage, single phase	
	Current	: 0 -1A or 0 - 5A (others on request)
	Voltage	: All ac system voltages to 240V
	Frequency	: 50Hz, 60Hz
Outputs	Load independent dc current or voltage signal	
		: 0 to 10mA dc <1500Ω load
		: 0 to 20mA dc < 750Ω load
		: 4 to 20mA dc < 750Ω load
		: 0 to +5V dc > 2kΩ load
	Response time	: <250ms 0 - 90% at full output
	: <500ms 0 - 99%	
Ripple	: <1% pk to pk of full span	
Load influence	: <0.25% of full span for specific load range	
Accuracy	Class 0.5 to IEC 60688	: ±0.5% of full output span
	Accurate range	: 0 - 120%
	Drift	: <±0.5% over the range 0°C to +60°C
Overload	Current input	: 2 x nominal continuous
		: 20 x nominal for 3 seconds
	Voltage inputs	: 1.2 x nominal continuous
		: 1.5 x nominal for 10 seconds
	S/C output	: continuous
	O/C output	: continuous, $V_{O/C} < 30V$
Maximum output	: <2 x nominal output	
Aux. Supply		: 24V, 110V, 230V or 240V ac ±20%, 1.5VA
		: 24V or 110V dc ±20% 2W
Isolation	Galvanic isolation between input, output circuits and auxiliary supply	
	Test voltage	: 4kV rms 50Hz for 1 minute
	Impulse	: 5kV 1.2/50µsec waveform
Temperature	Operating	: 0°C to +23°C to +60°C
	Storage	: -25°C to +70°C long term
		: -55°C to +85°C short term
EMC Approvals		: AS/NZS 3548
		: C-Tick Mark



Dimensions



Connections



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