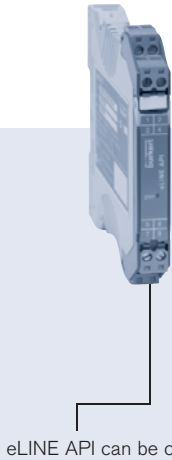


Programmable, auxiliary powered, signal isolator/converter

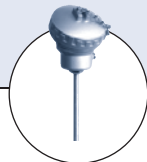


eLINE API can be combined with...



Type 8311

Pressure transmitter



Pt100

RTD temperature sensor



Type 8185

Guided microwave

- For analogue current/voltage signals
- Inbuilt 24Vdc sensor supply
- Test points for input and output signal monitoring
- Simple secure calibration
- Fully Isolated

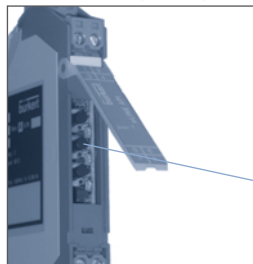
The eLINE API is a DIN rail mount signal isolator/converter provides 3-way isolation for all standard DC milliamp and voltage signals, with better than 0.1% accuracy (typically 0.05%), for simple elimination of ground loops where auxiliary power is available.

For measurement transducers that are loop powered, the eLINE API input circuit has a built-in 24Vdc sensor supply output.

You can set the input and output type using push-fit jumpers. Then use the simple, secure calibration routine to set-up the ranges to suit your application. The calibration method allows for input to output scaling and reverse action if required.

The housing is compact (only 12.5mm wide) has plug-in, screw type, terminals and mounts on DIN rail.

View with front panel open



Easy push button calibration

Technical data	
Power Supply Operating voltage Power Usage	DC powered 12-60Vdc 3W at 24Vdc
Input Transducer Supply Current Drive Voltage	For loop powered input devices 20mA 24Vdc \pm 10%
Environmental Conditions Operating temperature Storage temperature Pollution Degree Relative humidity	0 to 60°C -25 to +70°C 2 10-90% (non-condensing)
Isolation Ports Measurement Category Impulse Withstand Isolation	Input / Output / Power Supply / Case III 4kV (1.2 / 50) 2 kV (between ports)
Performance Linearity Temp drift Output Ripple Long term drift Overall Response Output Response Input sampling rate	Better than \pm 0.1% (typically \pm 0.05%) < 0.05% span/°C < 20mV peak-to-peak 0.1% per 10,000 hours 350ms 260ms for 10-90% output change 32Hz
Housing Weight Connection Type Dimensions	Double Insulated, Dual DIN rail mount 270g Screw Connections for 12-28AWG wire (Tighten to 4.5lb-in) See mechanical drawing

Technical Data

Inputs

Input Type	Lower limit	Upper limit	Impedance	Min Span	Resolution	Set-up
Milliamp	0.00mA	22.00mA	100Ω	4mA	3.5μA per bit	Jumper Select
Voltage	0.00V	11.00V	1MΩ	2V	1.76mV per bit	

Outputs

Output Type	Lower limit	Upper limit	Drive	Min Span	Resolution	Set-up
Milliamp	0.00mA	22.00mA	1kΩ @ 20mA	4mA	3.5μA per bit	Jumper Select
Voltage	0.00V	11.00V	500kΩ @ 10V	2V	1.76mV per bit	

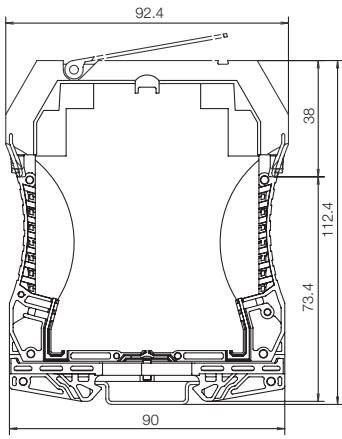
i Default Input/Output is 4-20mA/4-20mA

Connections

Connection Table

Terminal	Power Supply	Output		Input		Loop Powered
		Current [mA]	Voltage [V]	Current [mA]	Voltage [V]	
1	Supply +					
2				Input +		Device -
3				Input -	Input -	Device +
4					Input +	
5		Output -	Output -			
6		Output +				
7	Supply -					
8			Output +			

Dimensions [mm]
Mechanical Drawing



Test Points
Connection table

Terminal	Set multimeter to	Signal
4	Volts +	Voltage Input
3	Volts -	
2	mA +	Current or Loop powered device Input
4	mA -	
6	Volts +	Voltage Outputs
5	Volts -	
8	mA -	Current Outputs
6	mA +	

Ordering

Description	Item No.
eLINE API	AU33495

To find your nearest Bürkert facility, click on the orange box

www.burkert.com.au

In case of special application conditions, please consult for advice. We reserve the right to make technical changes without notice. 0801/X_AU-en_eLINE_API