



simply Higher Performance for Every Process Type

Signal Conditioners apply across a range of requirements; amplifying or splitting signals, conditioning sensor outputs, isolating grounding problems, or adding more drive to current loops.



Isolation

A ground loop can occur if more than one ground connection is made to a single control signal. Because grounds are seldom at the same potential, an unwanted current will be generated and interfere with the control signal. Signal isolators break the ground loop current path and maintain the integrity of the measurement.



Noise Filtering

Isolators incorporate low pass filters that eliminate high frequency EMI/RFI and unwanted signals from power lines, generators and motors.



Linearisation

Many sensors output a signal that is not linearly related to the engineering value being measured. For example, a thermocouple used to measure temperature has a nonlinear millivolt output. A thermocouple input signal isolator translates this to a standard robust linear signal such as 4 to 20 MA.



Signal Conversion

Industrial applications use a wide array of sensors to measure temperature, flow, length, speed etc. These signals may then need to be converted into a form usable by the instrumentation to which they are connected. Any sensor signal (thermocouple, RTD, DC voltage, DC current) can be converted to any standard process signal.

Enhanced capabilities
Global approvals
Compact design
Lowers process costs

Ordering Code



Basic Product

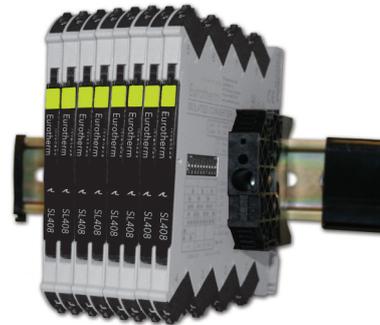
OMNI Signal conditioner

1 Type

SLIM Isolator
ACCESS Accessories and spares

2 Isolators

SL500-1	Single channel isolator loop powered
SL500-2	Dual channel isolator loop powered
SL501-1	Single channel 2-wire isolated transmitter, loop powered
SL501-2	Dual channel 2-wire isolated transmitter, loop powered
SL408	Single channel isolated converter
SL408-B	Single channel bi-polar isolated converter
SL428	Single channel isolated thermocouple (J, K) converter
SL418	Single channel isolated thermocouple (PT100) temperature converter
SL558-T	Single channel isolated thermocouple (J, K, PT100) temperature converter
SL508-B	Single channel bi-polar isolator/splitter
XXXXXXX	NULL value



Select the right signal conditioner for your specific process

Eurotherm: International sales and support

www.eurotherm.com

Contact Information

Eurotherm Head Office
Faraday Close, Durrington,
Worthing, West Sussex,
BN13 3PL

Sales Enquiries
T +44 (01903) 695888
F 0845 130 9936

General Enquiries
T +44 (01903) 268500
F +44 (01903) 265982

Worldwide Offices
www.eurotherm.com/global



Scan for
local contacts

Represented by:

© Copyright Eurotherm Limited 2013

Invensys, Eurotherm, the Eurotherm logo, Chessell, EurothermSuite, Mini8, Eyon, Eyris, EPower, EPack, nanodac, piccolo, Foxboro and Wonderware are trademarks of Invensys plc, its subsidiaries and affiliates. All other brands may be trademarks of their respective owners.

All rights are strictly reserved. No part of this document may be reproduced, modified, or transmitted in any form by any means, nor may it be stored in a retrieval system other than for the purpose to act as an aid in operating the equipment to which the document relates, without the prior written permission of Eurotherm Limited.

Eurotherm Limited pursues a policy of continuous development and product improvement. The specifications in this document may therefore be changed without notice. The information in this document is given in good faith, but is intended for guidance only.

Eurotherm Limited will accept no responsibility for any losses arising from errors in this document.