



Declaration of Conformity

18th NOV 2009

European Directive 94/9/EC

To whom it may concern:

We declare on our sole responsibility that the products listed below conform to the relevant provisions of Directive 94/9/EC of 23rd March 1994.

This declaration accepts that the declarations from the manufacturers of components used, including but not limited to terminals, cable glands and blanking plugs, are valid.

www.abtech.eu
sales@abtech.eu
Tel +44 (0)114 244 2424
Fax +44 (0)114 243 4312

<u>Products</u>	<u>EC Type Examination Certificates</u>		<u>Products</u>	<u>EC Type Examination Certificates</u>	
	<u>Component</u>	<u>Equipment</u>		<u>Equipment</u>	
SX range enclosures	Sira 99ATEX3170U		SXCS* range control stations	Sira 07ATEX3338	
SX junction boxes		Sira 99ATEX3171	ABCS* range control stations	Sira 07ATEX3297X	
BPG range enclosures	Sira 99ATEX3172U		BPG enclosures (Dust Only)	Sira 04ATEX3410	
BPG junction boxes		Sira 99ATEX3173	SX enclosures (Dust Only)	Sira 04ATEX3408	
ZAG range enclosures	Sira 99ATEX3174U		ZAG enclosures (Dust Only)	Sira 04ATEX3409	
ZAG junction boxes		Sira 99ATEX3175	GRN8 junction boxes	Sira 04ATEX3131X	
MJB junction boxes		Sira 99ATEX3176			
Busbar junction boxes		Sira 99ATEX3177	AAG cable glands	BASEEFA 09ATEX0186X	
LR junction boxes		Sira 01ATEX3081X	ASG cable glands	BASEEFA 09ATEX0187X	
DPJB-1 junction boxes		Sira 01ATEX3214	ABAD adaptors	BASEEFA 09ATEX0188X	
DPJB-2 junction boxes		Sira 02ATEX9205X	ABRE reducers	BASEEFA 09ATEX0188X	
HVJB junction boxes		Sira 02ATEX3266	ABSP stopping plugs	BASEEFA 09ATEX0189X	
15kV junction boxes		Sira 06ATEX4280			
25kV junction boxes		Sira 07ATEX4198			
ABJB junction boxes		Sira 08ATEX3017			
TFJB junction boxes		Sira 09ATEX3313			
SX125/120/315		Sira 03ATEX4533			
VPJB junction boxes		Sira 04ATEX3306			

Notified Body: Sira Certification Service
Rake Lane
Ecclestone
Chester
C4 9JN

Conformity has been demonstrated with reference to the following documentation:
EC Type Examination Certificates listed above;

Quality Assurance notification Sira 00ATEX M053;

Compliance with the following standards:
EN1127-1, EN 50014, EN50019, EN50281-1-1, EN60079-0, EN60079-7, EN60079-28, EN61241-0,
EN61241-1, EN60076-3

A review of certification against BS EN 60079-0, BS EN 60079-7 and BS EN 61241-1 has been carried out and compliance was confirmed.

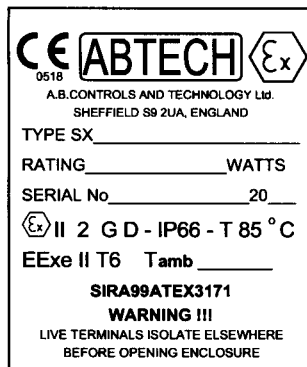
Stephen Hartley BSc (Hons) MIET
Engineering Director

MANUFACTURE OF SENSORS AND AUTOMATION (THE PRODUCTS) (EU) DIRECTIVE 94/9/EC (ATEX) (Machinery, Electrical and Petrol) (EN 60079-0, EN 60079-7, EN 61241-1)

Sanderson Street
Lower Don Valley
Sheffield
South Yorkshire, England S9 2UA
Registered in England No. 05842845



, OPERATION & MAINTENANCE INSTRUCTIONS FOR ABTECH 'SX' RANGE TERMINAL BOXES – SIRA99ATEX3171



Marking

The marking shown is for an apparatus certified terminal box.

The maximum power dissipation permitted in this terminal box is marked on the label and identified by RATING _____ WATTS.

The ambient temperature range for which this product is suitable is marked on the label and identified by Tamb _____.

Installation

- 1) Using the mounting dimensions data provided, either in the product catalogue data sheets or on the drawings supplied (as part of the project documentation) mark out the positions for the mounting holes on the surface where installation is required.
- 2) Drill the mounting holes for either M8 or M9 fixing studs (for size S64 upwards) or for M6 fixing studs for size S45.
- 3) Insert the top two studs leaving 8 to 10mm protruding and lift the enclosure into position using such assistance as may be necessary to avoid injury and hang the top fixing brackets of the box onto the studs. Ensuring that the box is secure, insert and tighten the bottom two studs. Now complete tightening the top two studs.
- 4) Install and secure the cable glands in accordance with the manufacturers instructions.
- 5) Pull the cables into the box leaving trailing leads of a length specified by site practice or the site engineer and secure any cable armour in accordance with site practice.
- 6) Terminate the cables in the terminals provided in accordance with the requirements of BS EN 60079-14:1997. Consideration must be given to any use limitations or special conditions detailed on the certificates for the terminals fitted.
- 7) Secure the lid by closing the lid and tightening the lid fixing screws and ensure that all gland plate securing screws are tightened.
- 8) For additional security a padlock may be fitted to all box sizes larger than and including size S0.

Earthing/Grounding

All S range enclosures are provided with an internal and external earthing/grounding facility. This must be connected to the appropriate earth bonding circuit before electrical power is connected to the contents of the enclosure.

Operation

1. The lid must be secured using all the lid screws provided in order to maintain the IP rating.
2. No attempt must be made to remove the enclosure lid whilst electrical power is connected to the contents of the enclosure.
3. The earthing/grounding facility must be connected to the earth bonding circuit at all times when electrical power is connected to the enclosure.

Maintenance

Routine maintenance is likely to be a requirement of local Health and Safety legislation. The laws of the applicable country must be considered and maintenance checks carried out accordingly.

Additional checks that are advisable to ensure the efficiency of ABTECH 'S' range enclosures are:-

Activity		Frequency
1	Check that the lid seal is not damaged and is in place	Each time the enclosure is opened
2	Check that all lid fixing screws are in place and secured	Each time the enclosure is opened
3	Check that all gland plate fixing screws are in place and secured	Each time the enclosure is opened
4	Check that the mounting bolts are tight and free of corrosion	Every 3 years
5	Check the security of all cable glands	Every 3 years
6	Check the enclosure for damage	Every 3 years
7	Check that all screw clamp terminals are secure	As manufacturers recommendation

Chemical attack

The ABTECH S range enclosures are available in mild steel or 316 stainless steel. The following additional material are also used :-

Neoprene or silicone rubber,
Brass.

If the enclosure is of mild steel it may be zinc plated prior to painting. The standard paint finish is epoxy polyester grey hammer.

Stainless steel enclosures are not painted except to customer specifications.

Consideration should be given to the environment in which these enclosures are to be used to determine the suitability of these materials to withstand any corrosive agents that may be present.

Static hazard

S range enclosures do not present a hazard from static electricity.

Vibration

SX range terminal boxes are designed for use in areas subject to normal industrial levels of vibration. They are not designed for use in areas subject to intentional or extreme conditions of vibration.