



NOTE: If the terminals provided with the enclosure are changed either in type or in quantity the terminal box certification may become invalid. Advice from ABTECH is recommended before any changes are made.

### **Earthing/Grounding**

- 12) All SXCS range control stations 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.
- 13) An earth connection between the lid, gland plates (where fitted) and the box is provided. Care must be taken to ensure this is not damaged during installation or maintenance.

### **Operation**

- 14) The lid must be secured using all the lid screws provided in order to maintain the IP rating.
- 15) No attempt must be made to remove the enclosure lid whilst electrical power is connected to the contents of the enclosure.
- 16) 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 SXCS range control stations are:-

<b>Activity</b>	<b>Frequency</b>
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 lid earth strap is not frayed or damaged and is secure at both ends	Each time the enclosure is opened
5 Check lid earth strap continuity	Every 3 years
6 Check that the mounting bolts are tight and free of corrosion	Every 3 years
7 Check the security of all control unit and lens bezels	Every 3 years
8 Check the security of all cable glands	Every 3 years
9 Check the enclosure for damage	Every 3 years
10 Check that all screw clamp terminals are secure	As manufacturers recommendation

### **Chemical attack**

The ABTECH SXCS range control stations are available in mild steel or 316 stainless steel. The following additional materials are also used: -

Neoprene or silicone rubber, Copper, 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**

SXCS range control stations do not present a hazard from static electricity.

### **Vibration**

SXCS range control stations 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.