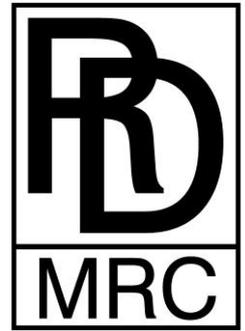


Risborough & District Model Railway Club

Founded 1971 President – Tim Peacock
Registered Charity No. 1173659
Clubroom - Princes Risborough Community Centre

www.rdmrc.org.uk / www.railex.org.uk

Affiliated to The Model Railway Club
Member of the Chiltern Model Railway Association



Risk Assessment – Electrical Safety

We use a range of electrical equipment both mains voltage and low voltage. The types of equipment we use should not present a significant risk if it is used correctly and kept in working order. PAT testing will be carried out as and when required.

Low voltage equipment includes:

- Cordless drills
- Dremel
- Minicraft items
- Hand vacuum cleaner
- Controllers

These the club consider to be very low risk in terms of electrical safety.

Mains voltage equipment includes:

- Power supplies and chargers
- Mains cables/extension leads
- Pillar drill
- Vacuum cleaner
- Daylight lamps
- Etc

These items require more care due to the higher voltage in use but again the risk should be low. The majority of equipment is double insulated.

All electrical equipment must be inspected before it is used. Any equipment that is found to have a defect **MUST NOT BE USED**. Bring it to the attention of the Trustees who will arrange repair or disposal. Especially check for damaged mains cables on extension leads and lamps as these get the most use. All equipment must be fitted with the correct size of fuse and RCDs should be used at the wall socket. Always completely unroll cable reels to prevent overheating and arrange cables so as not to create a trip hazard. Do not pull on cables or bend them unreasonably. Only use electrical equipment if you know how to use it properly, if in doubt ask.

Extension lead daisy chains are normally not recommended due to the possibility of overloading the extension leads current limit. However, in our case the requirement is for sockets at each table for a small number of low power devices. Typically, this is a 13W lamp and 50W soldering iron. Therefore, there is no chance of overloading being an issue but do not plug 13A cables into 10A cables. High power devices such as kettles should only be plugged directly into a wall socket. At exhibitions there will be a higher current requirement especially for layout lighting. Careful thought must be given to the arrangement of leads for each exhibit to prevent overloading.

5/1/18
Paul Wright
Revision 1