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**MAK
FASTENER
SPECIALISTS
LTD**

Fasteners for Roofing, Cladding
and General Construction

230V Leister “VARIMAT” Site Use Method Statement

The Health and Safety Authority have been consulted and have agreed that it is permissible to use a 230V Leister VARIMAT Automatic hot air welding machine in roof welding operations- subject to the particular safety precautions listed below.

1. Mak Fastener Specialists Ltd. supply, as a package the Varimat 230V welding machine with a **Residual Current Circuit Breaker** and any necessary extension leads.
2. Cables are flexible PVC insulated tinned copper wire braided, over sheathed with clear PVC and of the appropriate size, fitted with waterproof plugs and sockets to IP44.
3. The high quality Residual Current Circuit Breaker (RCCB) unit provided by Mak Fasteners must be used with the equipment.
4. The RCCB unit with a lockable selector switch marked for mains or generator. The latter position provides the reference connections required for correct operation of the RCCB when a generator is used.

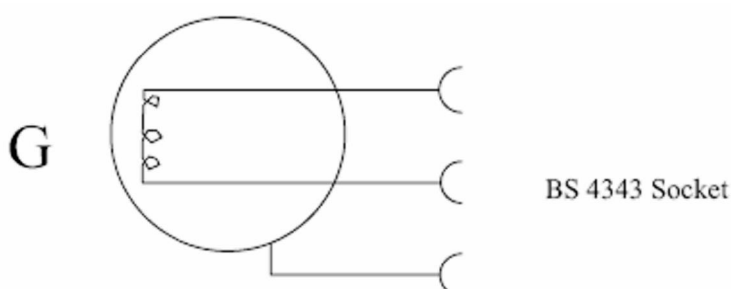
IT IS IMPORTANT FOR THE CORRECT FUNCTIONING OF THE SAFETY SYSTEM THAT THE SWITCH IS CORRECTLY SET BEFORE USE AND LOCKED IN THAT POSITION BY THE USER.

5 POWER SUPPLY

MAINS: A fixed 240V 25A single phase supply should be located as close as possible to the working area, with an isolator and IP44 socket 3 pin blue plastic, with a splash proof cover. The protective (earth) conductor of the mains supply must be connected to the appropriate terminal of the 32A socket.

GENERATOR: The generator should be of high quality with an output of at least 10KVA at 240V, fitted with appropriate over-current protection, and on/off switch, and a 240V 32AMP IP44 socket. The generator must be capable of running electronically controlled tools.

The generator winding must not be referenced to the generator frame. The generator frame must be bonded to the protective conductors of the load circuit, normally by the earth connection **in the IP44 socket** – see **drawing below.**



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INSTALLATION OF EQUIPMENT

The Residual Current Circuit Breaker (RCCB) unit should be plugged in either to the fixed supply or to the generator via its 2M lead. This unit should be mounted on a wall above ground level if possible. If not then it should be stood on the ground/floor in a position where it is unlikely to be damaged and firmly held sandbags or weights so it cannot be knocked over.

EXTENSION LEADS (only to be used for load connections from the RCCB unit)

Only extension leads supplied by Mak Fasteners should be used and care must be taken to keep them in good condition. If they are damaged in any way they must be returned to Mak Fasteners for inspection as with any other part of the package. When leads are not in use the half coupler caps should be secured by the locking rings. When the couplers are not in use, the 2 halves should be secured by the locking ring to prevent separation. Leads must never be used when coiled up.

RCCB TEST

Connect the equipment to the power supply as above with the isolator in the OFF position and the RCCB ON/OFF switch to OFF. Switch on the isolator, then the RCCB and press the test button. The RCCB should trip out. If it doesn't check that there is power to the RCCB. If there is, the RCCB unit is faulty and must not be used but returned to Mak Fasteners immediately for inspection.

**ANY QUERIES ABOUT THE CORRECT OR SAFE FUNCTIONING OF THE EQUIPMENT
SHOULD BE REFERRED TO THE SUPPLIER.**