

MODELS: **EM110.V2** **EM110/DFS.V2** **ER150D.V2** **ER150D/DFS.V2**

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THIS PRODUCT CORRECTLY, AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.

1. SAFETY INSTRUCTIONS

1.1 ELECTRICAL SAFETY

WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following: You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer. You must also read and understand the following instructions concerning electrical safety.

1.1.1 The Electricity at Work Act 1989 requires that all portable electrical appliances, if used on business premises, are tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.

1.1.2 The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. If in any doubt about electrical safety, contact a qualified electrician.

1.1.3 Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1 and 1.1.2 and use a Portable Appliance Tester.

1.1.4 Ensure that cables are always protected against short circuit and overload.

1.1.5 Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none is loose.

1.1.6 Important: Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.

1.1.7 **DO NOT** pull or carry the appliance by the power cable.

1.1.8 **DO NOT** pull the plug from the socket by the cable.


1.1.9 **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician. When a BS 1363/A UK 3 pin plug is damaged, cut the cable just above the plug and dispose of the plug safely.

Fit a new plug according to the following instructions (UK only).

a) **Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.**

b) **Connect the BROWN live wire to the live terminal 'L'.**

c) **Connect the BLUE neutral wire to the neutral terminal 'N'.**

d) After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight. Double insulated products, which are always marked with this symbol , are fitted with live (brown) and neutral (blue) wires only. To rewire, connect the wires as indicated above - connect either wire to the earth terminal.

1.1.10 Products which require more than 5 amps are supplied without a plug. In this case you must contact a qualified electrician to ensure that a suitably rated supply is available. We recommend that you discuss the installation of an industrial round pin plug and socket with your electrician.

1.1.11 If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm², but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm² section cable.

1.2 GENERAL SAFETY

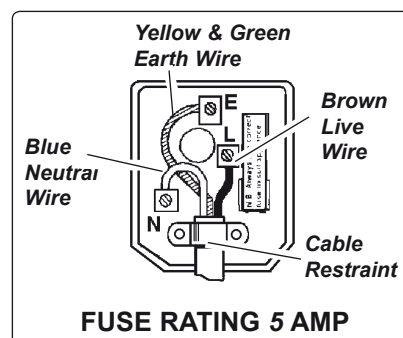
WARNING! Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.

WARNING! Disconnect from mains power before changing accessories, servicing or maintenance.

✓ Maintain the sander in good condition (use an authorised service agent).

✓ Replace or repair damaged parts. Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.

✓ Use sander in a suitable working area. Keep area clean, tidy and free from unrelated materials. Ensure there is adequate lighting.



- ✓ Before use check abrasive pad condition. If worn or damaged replace immediately.
- ❑ **WARNING!** Always wear approved eye or face protection when operating the sander.
- ✓ If dust is generated, use face, dust, or respiratory protection in accordance with COSHH regulations.
- ✓ Depending on task, sander noise level may exceed 85dB in which case wear safety ear defenders.
- ✓ Remove ill fitting clothing, ties, watches, rings, other loose jewellery, and contain and/ or tie back long hair.
- ✓ Wear appropriate protective clothing and keep hands and body clear of the sanders working parts.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Check moving parts alignment on a regular basis.
- ✓ Ensure the workpiece is correctly secured before operating the sander. Never hold workpiece by hand, and check the work piece to ensure there are no protruding nails, screws, stones, etc.
- ✓ Avoid unintentional starting.
- X **DO NOT** force the sander to achieve a task it was not designed to perform.
- X **DO NOT** operate sander if any parts are damaged or missing. This may cause failure or possible injury.
- ❑ **WARNING! DO NOT** sand any materials containing asbestos.
- X **DO NOT** carry the sander by the electrical cable or dust extraction hose.
- X **DO NOT** get the sander wet or use in damp or wet locations.
- X **DO NOT** use these models with water, these models are dry sanders only.
- X **DO NOT** operate sander if you are tired, under the influence of alcohol, drugs or intoxicating medication.
- X **DO NOT** use where there is flammable liquids, solids or gases such as paint solvents, including waste wiping or cleaning rags etc.
- X **DO NOT** leave the sander operating unattended.
- X **DO NOT** carry the sander with your finger on the power switch.
- ✓ When not in use disconnect from the mains power supply and dust free system and store in a safe, dry, childproof area
- ❑ **WARNING! DO NOT** allow uncontrolled discharge of dust waste thus polluting the environment.



1.3 LEAD PAINT WARNING!

Paint once contained lead as a traditional ingredient. Contact with the dust from the removal of such paint is toxic and must therefore be avoided. The following action must be taken before using the sander on a surface that you suspect may have contained lead in the paint.

1. User must determine potential hazard relating to age of paint to be removed. (Modern paints do not have lead content).
2. **DANGER!** Keep all persons and pets away from the working area. The following persons are particularly vulnerable to the effects of lead paint dust: *Expectant women, babies and children.*
3. We recommend personal protection by using the following safety items:
 - a) Paint Spray Respirator (Our ref SSP1699, SSP1604)
 - b) PE Coated Hooded Coverall (Our ref SSP267).
 - c) Latex Gloves (Our ref SSP24).
4. Take adequate measures to contain the paint dust, flakes, and scrapings.
5. Continue to wear safety equipment as in (3) above, and thoroughly clean all areas when task is complete. Ensure paint waste is disposed of in sealed bags or containers.

2. TECHNICAL SPECIFICATIONS

These ER & EM models are of the vertical type for heavy duty sanding applications. Each sander has a tough composite body shell with a trigger operating switch and a power lock control.

Models ER150D/DFS.V2 & EM110D/DFS are dust free sanders for connecting to a dust free system.

Model:	ER150D.V2	ER150D/DFS.V2	EM110.V2	EM110/DFS.V2
Free Speed (rpm)	8000	8000	8000	8000
Orbit Ø (mm)	8	8	n/a	n/a
Pad Size (mm)	150	150	.210x115	.210x115 accepts 4-1/2" paper
Thread Size (UFN)	5/16"	5/16"	5/16"	5/16"
Power (Watts)	450	450	500	500
Power Input	230V-1.8A	230V-1.8A	230V-2.0A	230V-2.0A



EM110/DFS.V2



ER150D/DFS.V2

3. DUST COLLECTION MODELS

The dust outlet tube on models ER150D/DFS.V2 & EM110/DFS must be connected to a dust free system in accordance with COSHH, and any other regulations that may apply to your work area. For information on dust free systems, contact your local Sealey dealer.

Model ER150D may be converted to a dust free system, contact your local Sealey dealer for details.

4. OPERATING INSTRUCTIONS

- 4.1 Attach the correct rated pad for the sander. Round pads screw into the under side of the sanders head, and rectangular pads will be held by a clamp located at each end of sander.
- 4.2 Plug the sander into the mains power supply (and if appropriate a dust free system). Grip the handle and front guide knob and pull the on/off trigger to start the machine, and check that the unit is working correctly before use.
- 4.3 The power trigger may be locked in the on position by depressing the trigger and then pressing the side locking button. Press trigger again to release the lock button.

Note: The sander is designed for dry use only. **DO NOT** use with water or any other liquids.

5. MAINTENANCE

- WARNING!** Disconnect sander from mains power supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. *Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- 5.1 Clean the underside of the sander after use. Use an air line to blow dust out from around the motor by passing the air through the ventilation holes.
- 5.2 Change pads when required.
- 5.3 Check brushes after every 200 hours of use. To do so remove the top cover, remove the brass brush holder electrical connection, remove the brush holder and examine the carbon bush. Change brushes when they are only 5mm in length. Ensure the unit is correctly re-assembled.
- 5.4 All other service and maintenance must be carried out by an authorised service agent.
- 5.5 When not in use store in a safe, dry, childproof location.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



Sole UK Distributor, Sealey Group,
Kempson Way, Suffolk Business Park,
Bury St. Edmunds, Suffolk,
IP32 7AR



01284 757500



www.sealey.co.uk



01284 703534



sales@sealey.co.uk

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