

Models: **ER150/DFS, ER150/D, EM110, EM110D/DFS**

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 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 OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

Declaration of Conformity

CE We, the sole importer into the UK, declare that the products listed here are in conformity with the following EEC standards and directives. The construction files for these product are held by the Manufacturer and may be inspected on request by contacting Jack Sealey Ltd

Dust Free Electrically Operated Sanders

ER150/DFS, ER150/D, EM110, EM110D/DFS

**EN50144, EN55014-HD400
in accordance with the regulations
90/392/EEC 73/23/EEC 89/336/EEC**

Signed by John Sealey

1st February 1999

For Jack Sealey Ltd. Sole importer into the UK of Sealey Power Tools.

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 equipment. **WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim. **INFORMATION:** Call us for a copy of our latest catalogue on 01284 757525 and leave your full name, address including your postcode.

1. SAFETY INSTRUCTIONS

- 1.1. **ELECTRICAL SAFETY. ⚠ WARNING!** It is the user's responsibility to read, understand and comply as follows. **You must** check all electrical equipment and appliances to ensure they are safe before using. **You must** inspect power supply leads, plugs and all electrical connections for wear and damage. **You must** ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We also recommend that an RCD (Residual Current Device) is used with all electrical products. It is particularly important to use an RCD together with portable products that are plugged into an electrical supply not protected by an RCCB. If in doubt consult a professional 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 all portable electrical appliances, if used on a business premises, to be tested by a qualified Electrician at least once a year by using a Portable Appliance Tester (PAT).
- 1.1.2. The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of the appliance, and the safety of the appliance operator. If in doubt about electrical safety, contact a qualified electrician.
- 1.1.3. Ensure the insulation on all cables and the product itself is safe before connecting to the mains power supply. See 1.1.1. & 1.1.2. above and use a Portable Appliance Tester (PAT).
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. Regularly inspect power supply, leads, plugs and all electrical connections for wear and damage, especially power connections, to ensure that none are loose.
- 1.1.6. Important: Ensure the voltage marked on the product is the same as the electrical power supply to be used, and check that plugs are fitted with the correct capacity fuse. A 13Amp plug may require a fuse smaller than 13Amps for certain products (subject to 1.1.10. below) see fuse rating below.
- 1.1.7. DO NOT pull or carry the powered appliance by its power supply lead.
- 1.1.8. DO NOT pull power plugs from sockets by the power cable.
- 1.1.9. DO NOT use worn or damaged leads, plugs or connections. Immediately replace or have repaired by a qualified Electrician.

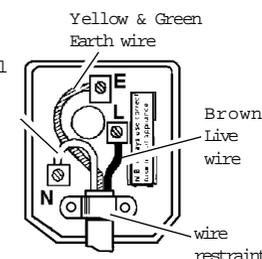
A U.K. 3 pin plug with ASTA/BS approval is fitted. In case of damage, cut off and fit a new plug according to the following instructions (discard old plug safely). (UK only - see diagram at right). Ensure the unit is correctly earthed via a three-pin plug.

a) Connect the green/yellow earth wire to the earth terminal 'E'.

b) Connect the brown live wire to live terminal 'L'.

c) Connect the blue neutral wire to the neutral terminal 'N'.

After wiring, check there are no bare wires, that all wires have been correctly connected and that the wire restraint is tight. Double insulated products are often fitted with live (BROWN) and neutral (BLUE) wires only. Double insulated products are always marked with this symbol . Check you model carefully to see which type of product you have. To re-wire, a double insulated item, connect the brown and blue wires as indicated above. DO NOT connect brown or blue to the earth terminal.



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

FUSE RATING
THIS PRODUCT MUST BE
FITTED WITH A:
5 Amp FUSE

1.2. General Safety.

- p **WARNING!** Ensure health & safety, local authority, & general workshop practice regulations are adhered to when using this equipment.
- p **WARNING!** Disconnect from mains power before changing accessories, servicing or maintenance.
- p Maintain the sander in good condition (use an authorised service agent).
- 3 Replace or repair damaged parts. Use recommended parts only. Non authorised parts may be dangerous and will invalidate the warranty.
- 3 Use sander in an adequate working area for its function, keep area clean, tidy and free from unrelated materials. Ensure there is adequate lighting.
- 3 Before use check abrasive pad condition. If worn or damaged replace immediately.
- p **WARNING!** Always wear approved eye or face protection when operating the sander.
- 3 If dust is generated, use face, dust, or respiratory protection in accordance with COSHH regulations.
- 3 Depending on task, sander noise level may exceed 85dB in which case wear safety ear defenders.
- 3 Remove ill fitting clothing, ties, watches, rings, other loose jewellery, and contain and/ or tie back long hair.
- 3 Wear appropriate protective clothing and keep hands and body clear of the sanders working parts.
- 3 Maintain correct balance and footing. Ensure the floor is not slippery and wear non slip shoes.
- 3 Keep children and unauthorised persons away from the working area.
- 3 Check moving parts alignment on a regular basis.
- 3 Ensure the workpiece is correctly secured before operating the sander. Never hold workpiece by hand, and check the workpiece to ensure there are no protruding nails, screws, stones, etc.
- 3 Avoid unintentional starting.
- 7 DO NOT force the sander to achieve a task it was not designed to perform.
- 7 DO NOT operate sander if any parts are damaged or missing. This may cause failure or possible injury.
- p **WARNING!** DO NOT sand any materials containing asbestos.
- 7 DO NOT carry the sander by the electrical cable or dust extraction hose.
- 7 DO NOT get the sander wet or use in damp or wet locations.
- 7 DO NOT use these models with water, these models are dry sanders only.
- 7 DO NOT place attachments close to your face and do not point at other persons or animals.
- 7 DO NOT operate sander if you are tired, under the influence of alcohol, drugs or intoxicating medication.
- 7 DO NOT use where there is flammable liquids, solids or gases such as paint solvents, including waste wiping or cleaning rags etc.
- 7 DO NOT leave the sander operating whilst unattended.
- 7 DO NOT carry the sander with your finger on the power switch.
- 3 When not in use disconnect from the mains power supply and dust free system and store in a safe, dry, child proof area
- p **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 SSP16EN)
 - b/ PE Coated Hooded Coverall (Our ref SSP266).
 - 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 & EM110D/DFS are dust free sanders for connecting to a dust free system.

Model:	ER150D	ER150D/DFS	EM110	EM110D/DFS
Free Speed (rpm)	.8000	.8000	.8000	.8000
Orbit Ø (mm)	.8	.8	.n/a	.n/a
Pad size (mm)	.150	.150	.210x115	210x115accepts 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	.230V-2.0A	.230V

3. DUST COLLECTION MODELS ER150D/DFS & EM110D/DFS

The dust outlet tube on models ER150D/DFS & EM110D/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

- p **WARNING!** Disconnect sander from mains power supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. Use recommended parts only. Non authorised 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.