

UK Subject to change

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USER'S MANUAL

Ferm Trim Saw

FCD-18/140

CE



Ferm[®]

Art.nr. 726900
Screwfix art.nr 14286

**FERM TRIM SAW FC-18/I 40
USERS MANUAL**

TECHNICAL SPECIFICATIONS

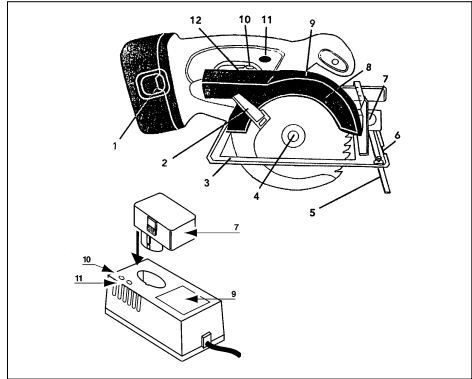
Voltage	18V
Voltage battery charger	230 V~
Frequency battery charger	50 Hz
Capacity battery	1.2 Ah (NiCd)
Charging time	3 - 5 hours
No load Speed	2750/min
Saw blade dimensions	136 mm
Max cutting capacity	38 mm
Weight (incl. l. battery)	3.2 kg
Lpa (Sound pressure)	85.2 dB(A)
Lwa (Sound pressure)	98.2 dB(A)
Vibration value	5 m/s2

PACKAGE CONTENTS

- The package contains:
- 1 Circular saw
 - 1 Parallel guide
 - 2 Batteries
 - 1 Adapter
 - 1 Charging base
 - 1 Allen wrench
 - 1 Instruction manual
 - 1 Safety instructions
 - 1 Guarantee card

Check the machine, loose parts and accessories for transport damage.

PRODUCT INFORMATION



- 1 Battery release tabs
- 2 Retractable blade guard lever
- 3 Shoe
- 4 Blade retention screw

- 5 Rip fence
- 6 Kerf indicator
- 7 Bevel adjustment thumbscrew
- 8 Allen key
- 9 Blade lock button
- 10 On/off trigger switch
- 11 Safety button
- 12 Depth adjustment thumbscrew

SAFETY INSTRUCTIONS

The following symbols are used throughout this manual:

- Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.
- Denotes risk of electric shock.

Carefully read this manual before using the machine. Make sure that you know how the machine functions and how to operate it. Maintain the machine in accordance with the instructions to make sure it functions properly. Keep this manual and the enclosed documentation with the machine.

Ferm products are manufactured to high quality standards, they are safe and fit for purpose at time of sale, but all tools can be dangerous if the correct precautions are not taken. Always follow these instructions, do not carry out the operation until you are sure you can do so in safety. Remember to consider the work environment for safe operation as well as safety for tool use.

Warning! When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before attempting to operate this product. Save these instructions for future reference.

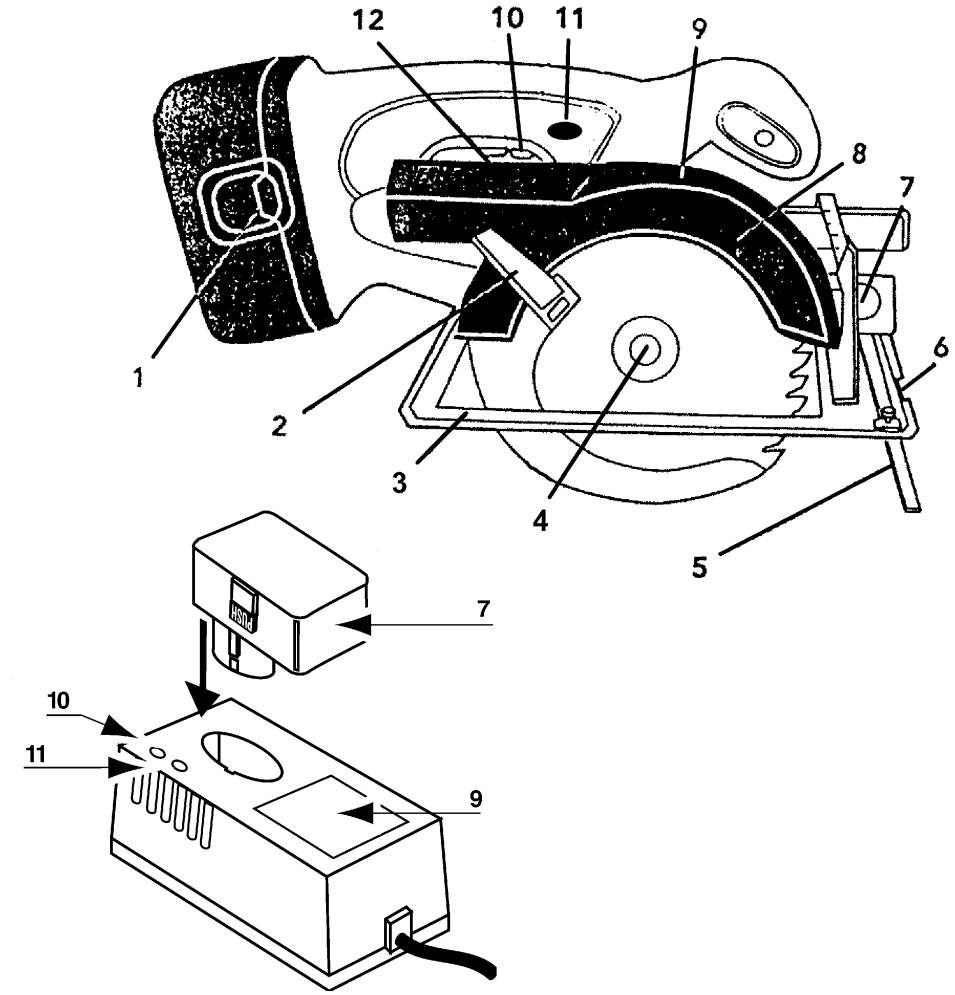
**PERSONAL SAFETY
Use Personal Protection Safety Equipment**

Protect eyes with safety glasses or goggles note: the use of safety protective eyewear without the CE mark can lead to serious injury if the lens breaks. A suitable dust mask should be worn if cutting, drilling or sanding is dusty, in particular chipboard or MDF. Approved safety footwear and headgear should worn as appropriate, for example on building works or when heavy weights are involved. Wear suitable gloves and apron to protect against sparks/debris. Wear earplugs or ear defenders.

Dress properly
Do not wear loose clothing or jewellery. It can get caught in moving parts. Non-skid footwear is recommended when working out doors. Wear protective hair covering to contain long hair

Stay alert
Watch what you are doing Use common sense. Do not operate tools when tired or after taking alcohol or prescription/ non-prescription drugs.

EXPLODED VIEW



SPARE PARTS LIST FCD 181140

REF NR	DESCRIPTION	FERM NR
001	BATTERY	818883
002	RETRACTABLE BLADE GUARD	700020
004	BLADE RETENTION SCREW	700021
005	RIP FENCE	700022
010	SAW TRIGGER	700023
011	SAFETY BUTTON	700024
013	CHARGER	406655

OPERATIONAL SAFETY



Warning! Never use the machine for sawing asbestos. If asbestos is discovered or suspected, contact your local council for advice.

The battery is normally sealed but in event of the battery being damaged be aware that it contains acid, if you get any on your skin or in your eyes wash the affected parts with water immediately and seek medical advice as soon as possible.



Warning! Do not short circuit the battery it will cause it to overheat, catch fire or even explode. To avoid this happening:

Do not connect wires to the terminals of the battery. Do not expose the battery or drill to water, rain or damp atmospheres.

Ensure that no metal objects (coins, nails etc) are caught in the battery housing or battery socket in the saw. Do not throw or dispose of the battery into water or fire.

Concentrate

Routine and repetition can lead to mistakes. Remember that a slight lack of concentration can result in serious injuries in a split second.

Keep work area clean

Cluttered areas and benches invite injuries.

Consider the work environment

Do not expose power tools to rain or use them in damp or wet locations. Keep work area well lit. Do not use power tools in the presence of flammable liquids, vapours or gases.

Guard against electric shock

This unit contains dangerous voltages. Use a RCD (residual current device) to provide protection against electrical shock. Prevent body contact with grounded surfaces (e.g. pipes, radiator, ranges or refrigerators).

Keep children and pets away

Do not let children or pets come into contact with the tool, extension cable or work area.

Do not force the tool

It will work better and safer at the rate for which it was intended.

Use the right tool

Do not force small tools or attachments to do the job of a heavy-duty tool. Do not use tools for purposes for which they were not intended; for example do not use a circular saw for cutting trees or logs.

Do not abuse cable

Never carry the tool by the cable or pull it to disconnect it from the power socket. Keep the cable away from heat, oil and sharp edges. Do not touch the metal plug pins when connecting or removing the plug.

Secure Work

Use clamps or a vice to hold work. It is safer than using your hand and it frees both hands to operate the tool. Be aware that this saw is a powerful machine; you must use two hands to control it.

Do not over-reach

Keep a proper footing and balance at all times.

Disconnect tools from power supply

When not in use, before servicing and when changing accessories such as blades, bits and cutters. Always switch off and remove the battery from the saw before making adjustments or changing blades

Remove adjusting keys and wrenches

Ensure that they are removed from the tool before switching on.

Avoid unintentional starting

Do not carry plugged in tools with your finger on the switch. Check that the switch is off before plugging in to socket.

Outdoor use extension cables

When the tool is used outdoors use only a short extension cable intended for outdoor use and marked accordingly. Use a RCD (residual current device) to provide protection against electrical shock. Do not use in rain or damp conditions.

Connect a dust extraction device

Whenever there are facilities for fitting a dust or fume extraction system, make sure it is connected and used.

Use recommended accessories

The use of any other accessory or attachment other than recommended in the instructions or catalogue may present a risk of personal injury. Do not use long extension with the charger.

BEFORE USING THE SAW



Ensure the battery is removed from the saw before changing blades, making adjustments or inspection.

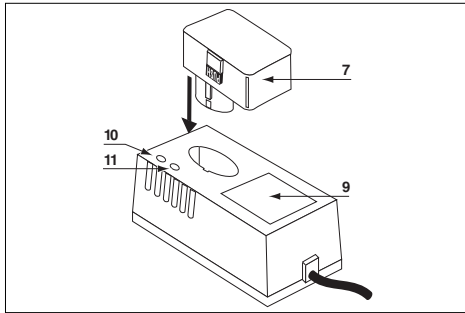
- Check that the voltage marked on the charger is suitable for use with your mains supply.
- The output voltage on the charger is suitable to use with the saw battery.
- The battery voltage is suitable for the saw.



The battery supplied with the saw is not fully charged.

CHARGING THE BATTERY

- Place the battery charger (13) on a level surface, check it is connected correctly and the air vents on the charger are not blocked, and then put the battery into the charger.
- Make sure the terminals on the battery tongue line up with the + and – terminals on the charger. The red light (14) on the charger indicates the battery is being fast charged.
- When charging is finished the red light will go out and the green light (15) will light, indicating that the battery is ready for use
- The first charge will take 1-2 hours; the battery will reach maximum performance after it has been charged 4-5 times.
- Only use the charger between +10 degrees and +40 degrees in dry conditions.



DISCHARGING THE BATTERY

Discharging the battery is as important as charging it.

- Use the saw until it becomes less powerful and does not reach maximum speed, the battery is now ready to be recharged. Do not discharge the battery completely – if this happens you will damage the battery and it will not be able to be recharged.
- If the saw is not going to be used for a long period, recharge the battery from time to time to prevent it running down. Store the battery separately in the plastic case.
- Do not use the battery charger to charge batteries other than the one provided with saw.
- **Never open or incinerate a battery this can be dangerous and will cause risk of explosion, pollution or other health hazards.**

INSERT/REMOVE BATTERY

- Make sure your finger is off the trigger and safety switch so that the saw does not start unexpectedly.
- Place the battery in the end of the handgrip, it can only go in one way and will click when in place.
- To remove battery, push the tabs (1) in on either side of the battery with finger and thumb and pull out of handgrip.

CHANGING/FITTING SAW BLADES

Refer to trim saw illustration page 2.

- Depress the blade lock lever (9) and keep it pressed, then use the 4mm Allen key provided to turn the blade-retaining bolt anticlockwise.
- Remove the bolt, washer and blade if fitted. Make sure the flange (inner blade washer) is present on the shaft and is the right way up.
- Open the blade guard with lever (2) and replace or fit the saw blade with the teeth facing the same way as the riving knife - the teeth face towards the front of saw.
- Fit the washer and bolt (clockwise) hand tight.
- Depress the blade lock button (9) and keeping it pressed, tighten the bolt securely with the Allen key.
- Release the spindle lock button and stow the Allen key in the holder.
- Check that the blade guard is free to revolve and that the blade does not touch any part of the casing or guard.

REPLACEMENT BLADES

Replacement blades are available from your dealer, DIY outlets, tool stores and hardware shops; take your old blade with you to make sure the new one is compatible.

The critical dimensions of the blade are:

- Maximum blade diameter 139mm.
- Arbor or shaft size is 10mm diameter.

After fitting a new blade it may be necessary to adjust the riving knife.

ADJUSTING THE RIVING KNIFE

Refer to trim saw illustration page 2.

- Using the Allen key, which you will find in a holder at the front of the motor housing, loosen the riving knife retaining bolt.
- Rotate Blade guard with lever (2) and keep open while adjusting the riving knife.
- Maximum gap between teeth and knife 5mm. Maximum projection below blade 5mm.
- Tighten the bolt securely.
- Check that the riving knife is in the correct position and is in line with the blade.
- Release the blade guard.
- Stow the Allen key in the holder.

MOUNTING THE RIP FENCE

Refer to trim saw illustration page 2.

- Loosen the two thumbscrews on the front of the shoe (3).
- Slide the rip fence (5) into slots with the fence facing downwards.
- Set guide to the required position.
- Tighten thumbscrews.

ADJUSTING THE CUTTING ANGLE

Refer to the trim saw illustration page 2.

- Loosen (anticlockwise) the thumbscrew (7) on the angle quadrant.
- Set the shoe to the desired angle 0-45 degrees.
- The cutting angle is indicated on the quadrant.
- Securely tighten the thumbscrew

ADJUSTING THE DEPTH OF CUT

Refer to the trim saw illustration page 2.

- Loosen the thumbscrew (12) (anticlockwise).
- Move the shoe (3) downwards to required depth marked on quadrant.
- Securely tighten the thumbscrew.

USING THE SAW



This saw is intended for use on wood and wood derived products only.

BEFORE OPERATING

- Check you have the correct type of saw blade for the machine, that it is suitable for the spindle speed of the saw and that it is mounted correctly. Do not use parts other than supplied with the machine to make the blade fit properly.
- Check you have a blade suitable for the material being cut and that it is in good condition. If any teeth are missing or the blade shows cracks or other damage - replace immediately.
- Do not use blades made from high-speed steel.
- Do not use blades that are thicker than the riving knife.
- Run idle for 30 seconds - if there is any abnormal vibration or other fault – switch off, inspect and rectify before continuing

OPERATION

Refer to the trim saw illustration page 2.

- Put battery into saw.
- **Be aware that this machine has a powerful motor and needs two hands to operate it safely.**
- To switch the saw ON Depress the safety button (11) with your thumb and keep it pressed in. Depress trigger switch (10) to start saw. Once the saw has started release the safety button. Do not attempt to override the safety button.
- To switch OFF release the trigger switch.

DURING USE

- Avoid saw kickback.
- Place the shoe gently but firmly onto the work piece and let the blade come to full speed before cutting the work piece – this is a powerful machine and will kick if the blade is pressed too hard or jammed in the cut.
- Always use two hands to control the machine.
- Keep the shoe in firm contact with the work piece.
- Support large panels. They can twist and jam the blade.
- Avoid overhead cuts. The workpiece can sag and jam the blade.
- Never reverse a rotating blade out of a cut, it can cause the saw to violently climb out of the cut.
- Do not force the saw. Move gently and steadily along the line of cut, if it starts to wander, switch off remove the blade and start a new cut.
- Check material for foreign bodies
- For example check for nails, screws, clamps etc in line with the cut.
- Check for services. Make sure that there no electrical wires, water or gas pipes in the material being cut.
- Cut the material best side downwards so you have a clean cut on that face.
- Clamp material properly. Do not use hand or foot to support the work piece. Saw away from yourself.
- Use constant gentle pressure.
- If the blade seizes in the cut, switch off, unplug and open the cut with a suitable tool before pulling the blade out – never switch the saw on with the blade jammed.

- Do not override the retractable blade guard. It will open automatically as the saw advances. Check that thin or small off cuts do not jam the retractable blade guard.
- Do not put the machine down with the motor still running.
- Do not put the machine down on a dusty surface – dust will get into the air vents and damage the motor.
- Regularly inspect the blade (remove battery first) during use for signs of damage or wear and replace when required. Do not touch the blade after sawing until it has cooled down.
- Do not press blade lock button while blade is rotating.
- Switch the machine off before removing the plug from the mains socket.
- Be careful. Do not point the saw at yourself or other people. Keep your hands away from the blade. Saw away from yourself.

POCKET CUTTING

Pocket cutting is starting a cut without sawing in from an edge, for example starting a cut in the middle of a line.



When making a pocket cut use extreme caution.

- With the saw switched off, tilt the saw forward and put the front edge only of the shoe firmly on to the workpiece.
- Retract the blade guard and lower the blade so the teeth are almost touching the workpiece.
- Release the blade guard.
- Hold the saw with both hands and switch the saw on, slowly tilt the blade downwards and cut into the material until the whole shoe is in contact with the workpiece.
- Keep the shoe in firm contact with the workpiece and complete the cut in a forward direction. Never saw in a backwards direction.
- Let the blade stop completely before removing the saw from the pocket.

MAINTENANCE, CARE AND REPAIR



Remove the battery before carrying out any cleaning, adjusting or changing blades.

CLEANING

Clean with a soft brush or dry cloth. Do not use flammable liquids to clean the saw they can damage the plastic parts and the finish.

FAULTS

Switch OFF immediately and remove the battery when:

- The switch on the machine is defective.
- You smell or see smoke caused by scorched insulation in the machine.

The motor runs hot

- The motor has been overloaded, cut more slowly.
- The motor is defective; take to your local dealer for repair.

The saw does not work when switched on

- Low/defective battery, recharge or replace.
- Defective switch, take to local dealer for repair.

The battery runs low soon after being charged

- It has not been properly charged or discharged, charge/discharge properly several times.
- The battery charger is defective; take to your dealer for repair or replacement.

The saw does not cut cleanly and wanders off line

The blade is blunt or bent, replace blade with suitable resharpened or new one.

The saw makes a lot of noise and does not run smoothly

Take to your local dealer for inspection or repair.

There are no user serviceable/repairable parts inside this unit. Qualified service engineers must carry out repair and servicing.

MAINTAIN TOOLS WITH CARE

Keep the tool clean for better and safer performance. Store the blades properly in accordance with the maker's instructions. Follow instructions for changing accessories.

Inspect tool and extension cables periodically and if damaged, have them repaired by a qualified person or authorised service body. Keep handles free from oil or grease. Keep the ventilation slots clean to prevent the motor overheating.

Check for damaged parts

Do not use a tool with damaged parts, before further use a damaged tool must be carefully checked by a qualified person to determine that it will operate properly. Check for alignment of moving parts, binding or breakage of parts, mounting and other conditions that may affect its operation.

A damaged part or guard should be properly repaired by an authorised service centre, unless indicated otherwise in the instruction manual. Have defective switches replaced by an authorised service centre. Do not use a tool if the switch does not turn on and off.

Have your tool repaired by an expert

This appliance is manufactured in accordance with relevant safety standards. Only experts must carry out repairing of electrical appliances, otherwise considerable danger for the user may result.

Storing tools

When not in use tools should be stored in the dry, out of reach of children.

Lubrication

The machine requires no user lubrication.

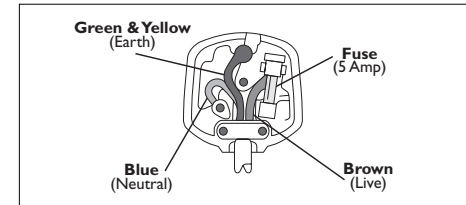
ELECTRICAL INFORMATION

This product is complete with a pre-wired mains plug, it is double insulated – no earth wire is required. If the plug needs replacing follow these instructions.

Wire correctly

The wires in the mains lead of the charger are coloured in the following way:

BLUE -Neutral
BROWN -Live



Securing wires

Secure wires carefully and firmly to the correct terminals. Secure the mains cable in the plug cord grip firmly. Fit a 5-amp fuse. If a 13-amp (BS1363) plug is used a (BS1362) ASTA approved 5-amp fuse must be fitted.

Recycle/Dispose of old plug and cable

Prevent inadvertent connection to socket and risk of electric shock.

ENVIRONMENT

Recycle the packaging according to the identification marks on it.

At the end of the product or its accessories life please recycle where facilities exist - phone the Helpline for current advice on recycling.

Helpline

For any questions relating to operational or safety matters contact:

Ferm Customer Helpline on: **0115 966 1199**
Monday-Friday **8am – 6pm**
Saturday **9am – 1pm**

GUARANTEE

The guarantee conditions can be found on the separately enclosed guarantee card.

CE DECLARATION OF CONFORMITY (UK)

We declare under our sole responsibility that this product is in conformity with the following standards or standardized documents

prEN50260-1, prEN50260-2-5, EN55014-1, EN55014-2, EN61000-3-2, EN61000-3-3

in accordance with the regulations.

98/37/EEC
73/23/EEC
89/336/EEC

from 01-02-2001
GENEMUIDEN NL
W. Kamphof
Quality department