

RYOBI POWER EQUIPMENT WARRANTY

Subject to the warranty conditions below, this RYOBI tool (hereinafter called "the Product"), is warranted by Ryobi (herein called "the Company") to be free from defects in material or workmanship for a period of 24 months from the date of original purchase covering both parts and labour. Under the terms of this warranty, the repair or replacement of any part shall be the opinion of the Company or its authorised agent. Should service become necessary during the warranty period, the owner should contact the authorised Ryobi retailer from whom the product was purchased, or the nearest Company branch office. In order to obtain warranty service, the owner must include the Sales Docket and Warranty Certificate to confirm date of purchase. This Product is sold by the dealer or agent as principal and the dealer has no authority from the Company to give any additional warranty or guarantee on the Company's behalf except as herein contained or herein referred to.

Warranty Conditions

This warranty only applies provided that the Product has been used in accordance with the manufacturer's recommendations under normal use and reasonable care (in the opinion of the Company) and such warranty does not cover consumable components, damage, malfunction or failure resulting from

misuse, neglect, abuse, or used for a purpose for which it was not designed, or is not suited and no repairs, alterations or modifications have been attempted by other than an Authorised Service Agent. This guarantee will not apply if the tool is damaged by accident or if repairs arise from normal wear and tear.

Accessories such as bits, blades, sanding discs, cutting lines, etc., are excluded from this guarantee. Normal consumable parts, such as carbon brushes, bearings, chucks, cord assembly's, spark plugs, recoil pulleys and bump head assembly's are specifically excluded from this guarantee.

The Company accepts no additional liability pursuant to this warranty for the costs of traveling or transportation of the Product or parts to and from the service dealer or agent - which costs are not included in the warranty.

Nothing herein shall have the effect of excluding, restricting or modifying any conditions, warranty, right or liability imposed, to the extent only that such exclusion, restriction or modification would render any term herein void.



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THIS WARRANTY FORM SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES.

For your record and to assist in establishing date of purchase (necessary for in-warranty service), please keep your purchase docket and this form, completed with the following particulars.

PURCHASED FROM:.....

ADDRESS OF DEALER:.....

DATE:..... MODEL NO..... SERIAL NO.....

Present this form with your Purchase Docket when Warranty Service is required.

RYOBI®

OWNER'S OPERATING MANUAL WALL DETECTOR MODEL WWD-100

SPECIFICATIONS

Operating temperature.....	-10°C to 50°C
Storage temperature.....	-20°C to 70°C
Battery.....	3 x 1.5V LR44 batteries
Wall maximum scanning depth (metal).....	40mm
Operating lifetime.....	6 hours approx.
Unit size.....	90 x 38 x 20.5mm

THANK YOU FOR BUYING A RYOBI WALL DETECTOR

Your new wall detector has been engineered and manufactured to Ryobi's high standard of dependability, ease of operation and operator safety. Properly cared for, it will give you years of rugged, trouble free performance. If you use your wall detector properly and only for what it is intended, you will enjoy years of safe, reliable service.



CAUTION: Carefully read through this entire owner's manual, paying close attention to the general safety rules and rules for safe operation, before using.

KEEP THIS MANUAL FOR FUTURE REFERENCE

IMPORTANT SAFETY INSTRUCTIONS

The purpose of safety rules is to attract your attention to possible dangers. The safety symbols and the explanations with them, require your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instruction or warnings they give are not substitutes for proper accident prevention measures.



SAFETY ALERT SYMBOL. Indicates danger, caution or warning. May be used in conjunction with other symbols or pictures.

Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

Do not attempt to operate this tool until you have read thoroughly and completely understood the safety rules, etc. contained in this manual. Failure to comply can result in accidents involving fire, electric shock or serious personal injury. Save this Owners Operating Manual and review it frequently for continual safe operation and for instructing others who may use this tool.

INTENDED USE

Your Ryobi wall detector has been designed for domestic use only. It may be used to detect ferrous metal (e.g. steel), non-ferrous metal (e.g. copper) and live wires/conductors in walls, ceilings and floors.



WARNING

To reduce the risk of injury, the user must read and understand the operator's manual.



WARNING

Do not attempt to operate this tool until you have read thoroughly and understood completely all instructions, safety rules etc contained in this manual. Failure to comply may result in accidents involving fire, electric shock or serious personal injury. Save operator's manual and review frequently for continuing safe operation, and instructing others who may use this tool.

SAFETY INSTRUCTIONS

DO NOT TAKE ANY ACTION THAT COULD BE DANGEROUS IF THE WALL CONTAINS A LIVE ELECTRICAL WIRE, GAS OR WATER PIPE.

Once object is detected, always turn off the electrical power, gas and water supplies before drilling hole or driving nail/screw into the wall. Failure to follow these instructions may result in electrical shock, fire and/or serious injury.

Do not rely exclusively on the detector to locate items behind the scanned surface. Use other information sources to help locate items before penetrating the surface. Such additional sources include construction plans and visible points of entry of pipes and wiring into walls.

Do not disassemble. Have your product serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.

This device is not a toy and must not reach children's hands. It contains hazardous objects as well as small parts that the children could swallow. In case a child swallows any of them, please contact a physician immediately.

Do not leave batteries and packing material lying around unattended; they can be dangerous for children if they use them as toys.

In case the device is going to be unused for an extended period of time, remove the batteries to prevent them from draining

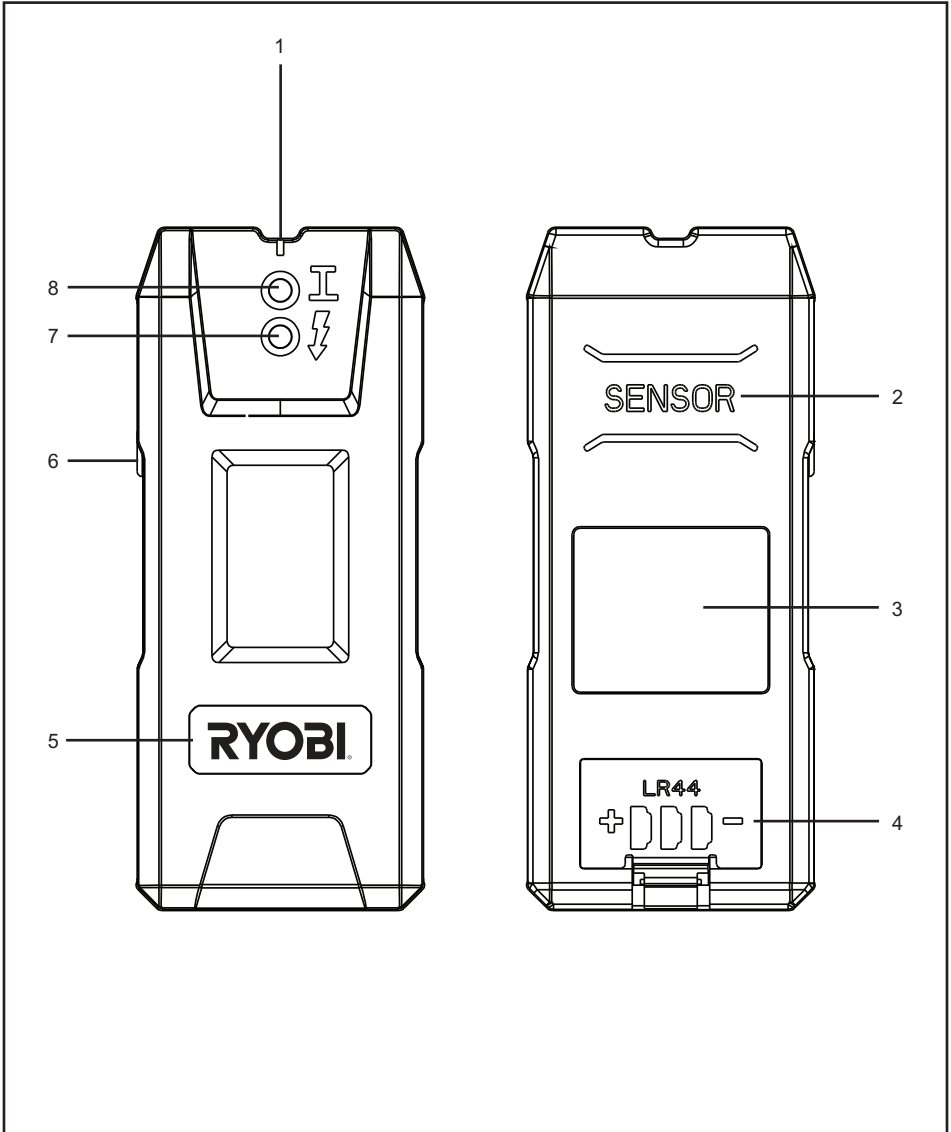
Expired or damaged batteries can cause cauterization on contact with the skin. Always, therefore, use suitable hand gloves in such cases

See that the battery is not short-circuited. Do not throw batteries into a fire.

Do not use on a ladder or unstable support. Stable footing on a solid surface enables better control of the tool in unexpected situations.

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

DESCRIPTION



1. Marker point
2. Sensor area
3. Rating plate
4. Battery compartment

5. Name plate
6. On/Off button
7. Live wire detection indicator light
8. Metal detection indicator light

UNPACKING



CAUTION. This packaging contains sharp objects. Take care when unpacking. Remove the machine, together with the accessories supplied, from the packaging. Check carefully to ensure that the machine is in good condition and account for all the accessories listed in this manual. Also make sure that all the accessories are complete.

If any parts are found to be missing, the machine and its accessories should be returned together in their original packaging to the retailer. Do not throw the packaging away, keep it safe throughout the guarantee period, then recycle if possible, otherwise dispose of it by the proper means. Do not let children play with empty plastic bags due to the risk of suffocation.

ASSEMBLY

INSTALLING BATTERIES

This product requires 3 x 1.5V LR44 cell batteries (supplied).

To install the batteries remove the battery cover on the rear of the wall detector and fit the batteries according to the symbol on the battery cover. See Fig.1.



WARNING. Do not attempt to modify this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

BATTERY REPLACEMENT

If the instrument does not switch on replace the batteries as previously stated above.

BATTERY DISPOSAL



You, as the end user, are legally bound to return all used batteries, disposal in the household garbage is prohibited! You can hand over your used batteries / accumulators at collection points in your community or wherever batteries / accumulators are sold.

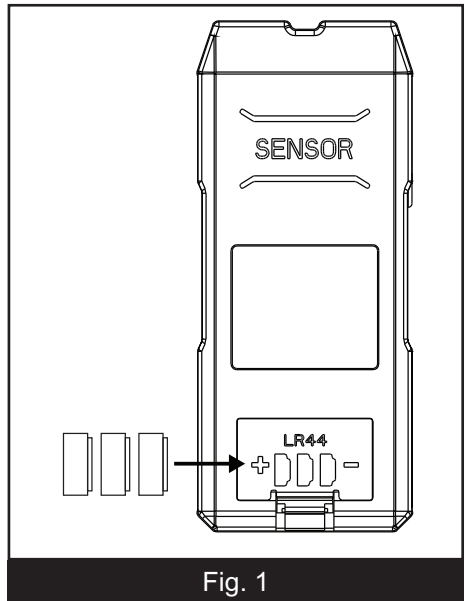
Follow the valid legal stipulations in respect of the disposal of the device at the end of its lifecycle.

BATTERY SAFETY REMINDERS

Please dispose of batteries responsibly; always observe local, state, and federal regulations with regard to battery disposal.

Never dispose of batteries in a fire. Batteries may explode or leak.

Never mix battery types. Always install new batteries of the same type.



OPERATION



CAUTION. Live wires may not be detected if wires are shielded or in conduits or behind thick walls or are more than 40mm away from the scanned surface, or in concrete, behind a plywood shear wall or metallic wall covering, or if moisture is present in the environment or on scanned surface or on the sensor.

Prior to operating this tool, make sure the area marked "SENSOR" in the bottom of the housing is dry. If required, wipe dry using a dry and clean cloth.

Environmental influences, such as humidity or closeness to electrical devices, can influence the measurement accuracy. Surface quality and condition of the walls (e.g., moisture, metallic building materials, conductive wallpaper, insulation materials and tiles) as well as the amount, type, size and position of the objects can lead to inaccurate measurements.

If the tool has been subjected to an extreme temperature change, allow the sensor to adjust to the ambient temperature before use.

Due to uneven density of tile work on cement board (used in kitchens, bath/wash rooms) wall sensor may generate false indications.

Do not expose product to rain or wet conditions or long term exposure to the sun.

Do not use in harsh environment. Use only in temperature range $-10^{\circ}\text{C} - +50^{\circ}\text{C}$.

To increase battery life, turn off the sensor after each use.

TURNING THE UNIT ON AND OFF

Press and hold the On/Off button to turn on the unit, Fig.2. Release the On/Off button to turn the unit off.

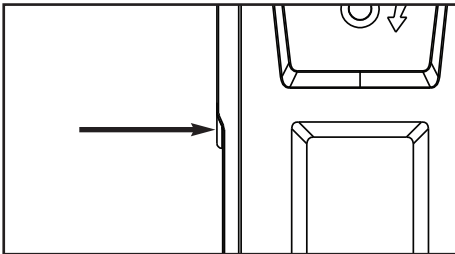


Fig. 2

CALIBRATING THE WALL DETECTOR

Hold the wall detector in your hand away from any metal objects and live wires. Quickly press the On/Off button several times until the metal detection indicator light and the live wire detection indicator light illuminate red, Fig.3. When the lights go out the machine is ready to use.

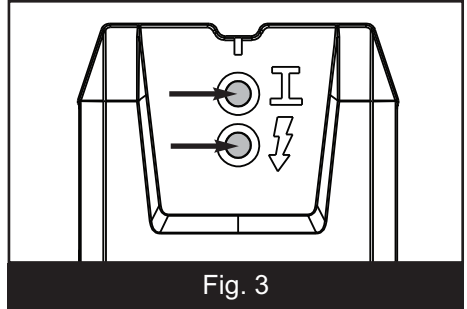


Fig. 3

Note: If the instrument fails to calibrate it could be due to:

The current measured surface is too wet.

Environmental influences, such as humidity.

Instrument malfunction.

MEASUREMENT OPERATION

With the wall detector flat against the wall and the On/Off button pressed move the instrument left or right. When the instrument detects a metal edge, the metal detection indicator light will change from green to red and a beep will be heard. Mark this point with a pencil using the marker point on the top of the wall detector, Fig.4

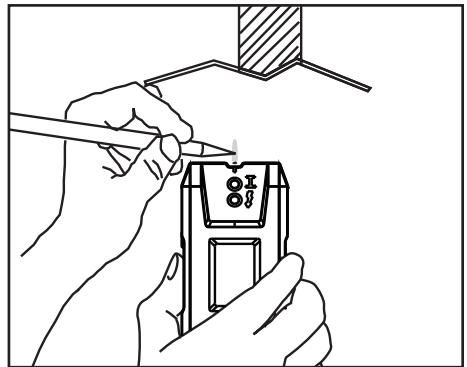


Fig. 4

OPERATION

Continue moving the instrument in the same direction until the metal detection indicator light illuminates green again. Mark this second point with a pencil. The midpoint of these two marks is the central location of the measured metal object.

Note: After you release the On/Off button, the unit must be calibrated again before reuse.

DETECTING LIVE WIRES

With the wall detector flat against the wall and the On/Off button pressed move the instrument left or right. When the instrument detects a hot wire, the live wire detection indicator light will illuminate red and flash and a intermittent beep will be heard, Fig.5. Mark this point with a pencil using the marker point on the top of the wall detector.

Continue moving the instrument in the same direction until the live wire detection indicator light goes off. Mark this second point with a pencil. The midpoint of these two marks is the central location of the measured hot wire.

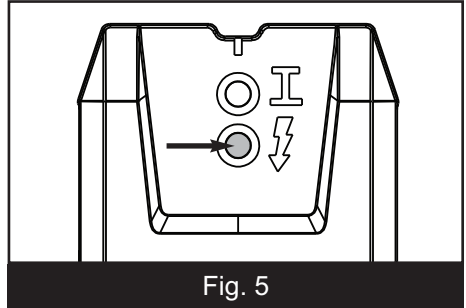


Fig. 5

Note: Wires deeper than the detection limit from the surface, in conduit, or behind plywood shearwall will not be detected. Use caution under these circumstances.

Rubbing or banging the unit on the wall may generate static electricity and cause a false reading.

MAINTENANCE



WARNING. Do not operate the detector until the battery compartment cover is in place and fastened

GENERAL MAINTENANCE

This instrument is designed to provide years of dependable service, if the following care instructions are performed:

Keep the wall detector dry and free from dust.

Use and store the wall detector in nominal temperature conditions. Temperature extremes can shorten the life of the electronic parts and distort or melt plastic parts.

Handle the wall detector carefully and avoid shock and vibration. Dropping the wall detector may damage the electronic parts or the case.

Keep the wall detector clean. Wipe the case occasionally with a damp cloth. **DO NOT** use chemicals, cleaning solvents, or detergents.

Use only fresh batteries of the correct type. Remove old or weak batteries so they do not leak and damage the unit.

If the wall detector is to be stored for long periods, the batteries should be stored separately to prevent damage to the unit.

SERVICE

Now that you have purchased your tool, should a need ever exist of repair or service, simply contact your nearest Ryobi Authorised Service Centre or other qualified service organisation. Be sure to provide all pertinent facts when you call or visit.

RECYCLING AND DISPOSAL

GENERAL MAINTENANCE

Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

Recycle rather than dispose of unwanted material in landfill whenever possible. The machine must be delivered in rigid packaging to avoid damage during transportation. The packaging and the machine itself are manufactured from recyclable materials and should be disposed of accordingly.

Only dispose of electrical/electronic/battery terms in separate collection schemes, which cater for the recovery and recycling of materials contained within. Your cooperation is vital to ensure the

success of these schemes and for the protection of the environment.

Recycle packaging where facilities exist.



This symbol is known as the Crossed out Wheelie Bin Symbol. When this symbol is marked on a product or battery, it means that it should not be disposed of with your general household waste. Some chemicals contained within electrical/electronic products or batteries can be harmful to health.

SYMBOLS

SYMBOL	SIGNAL	MEANING
	DANGER:	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
	Safety Alert Symbol	Indicates danger, warning or caution. It means attention!!! Your safety is involved.
	Recycle Symbol	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
	CE Marking	Conforms to relevant safety standards.
	Read Your Operator's Manual	Your manual contains special messages to bring attention to potential safety concerns as well as operating and servicing information. Please read all the information carefully to ensure satisfaction and safe use.