

CharmPro®



3 - 1 SUPER DETECTOR

MODEL NO: CDM65

PART NO: 4500135

OPERATING INSTRUCTIONS

UK
CA | CE

ORIGINAL INSTRUCTIONS

GC0321- Rev 2

INTRODUCTION

Thank you for purchasing this CLARKE CDM65 Super Detector. Before attempting to use this product, please read these instructions carefully. In doing so you will ensure your safety and you can look forward to your purchase giving you long and satisfactory service.

The CLARKE 3 - 1 super detector is ideal for DIY and Trade use.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

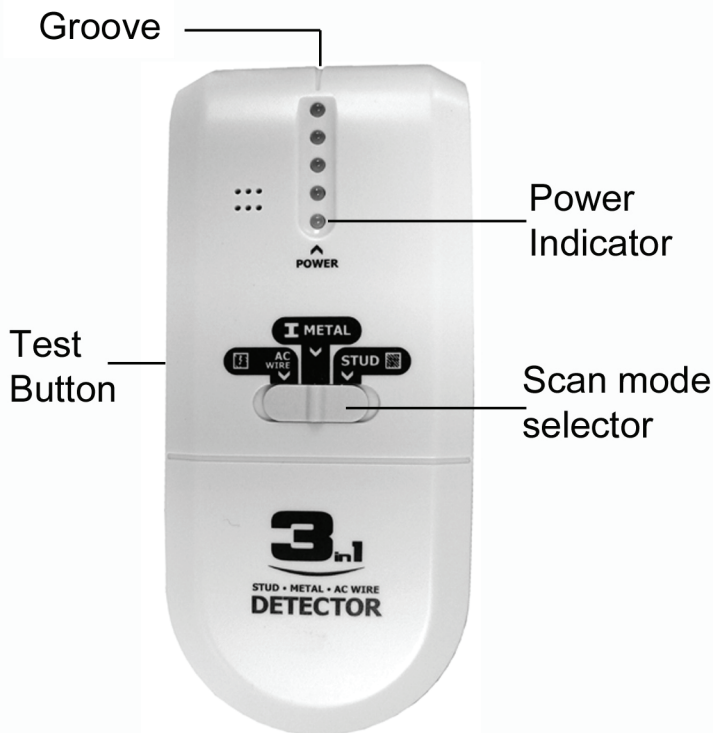
This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for its intended purpose. Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

FEATURES

- Detects metal, studding and AC voltages
- Visual and audible warning
- Low power consumption
- Easy to use

OVERVIEW



INSERTING THE BATTERY

1. Remove the battery door on the rear of the unit.
2. Connect a 9V PP3 battery to the battery clip.
3. Place the battery into the compartment.
4. Replace the battery door.

AC VOLTAGE DETECTION

1. Set the selector switch to the AC WIRE position.

CALIBRATION

2. Hold the unit in the air away from any metal objects.
3. Press and hold the TEST button.
 - The unit will beep twice when calibration is complete. Do not release the TEST button.

USING THE UNIT

4. Keep holding the TEST button and place the unit on the wall, slowly move the unit sideways across the wall.
 - As you approach a live wire, the signal lights will light up sequentially, the buzzer will sound when you reach the edge of the live wire, when this happens mark the point by placing a pencil mark in the groove on top of the unit.
5. Carry on moving the unit in the same direction until all of the signal LEDs go out and then reverse direction.
 - Once again, mark the point at which the top LED lights up and the buzzer sounds by placing a pencil mark in the groove on top of the unit.
 - The centre of the live wire is located mid way between the two pencil marks.

AC VOLTAGE DETECTION

Notes

- Some walls containing metal fibres (used in fireproofing) will cause the detector to register a voltage over a wider area.
- Rubbing or banging the wall may generate static electricity, causing a false reading.
- Touching a damp wall being tested may also cause a false positive reading.
- The unit will not detect wire inside metal shielding or trunking.

METAL DETECTION

1. Set the selector switch to the METAL position.

CALIBRATION

2. Hold the unit in the air away from any metal objects.
3. Press and hold the TEST button.
 - The unit will beep twice when calibration is complete. Do not release the TEST button.

USING THE DETECTOR

4. Keep holding the TEST button and place the unit on the wall, slowly move the unit sideways across the wall.
 - As you approach a metal object, the signal lights will light up sequentially, the buzzer will sound when you reach the edge of the metal object, when this happens mark the point by placing a pencil mark in the groove on top of the unit.
5. Carry on moving the unit in the same direction until all of the signal LEDs go out and then reverse direction.
 - Once again, mark the point at which the top LED lights up and the buzzer sounds by placing a pencil mark in the groove on top of the unit.
 - The centre of the metal object is located mid way between the two pencil marks.
 - Wearing rings or other hand jewellery may cause a false reading.

STUD DETECTION

1. Set the selector switch to the STUD position.

CALIBRATION

2. Place the unit against the wall, press and hold the TEST button.
 - The unit will beep twice when calibration is complete. Do not release the TEST button.

USING THE DETECTOR

3. Keep holding the TEST button and slowly move the unit sideways across the wall.
 - The buzzer will sound when you reach the edge of the studding, when this happens mark the point by placing a pencil mark in the groove on top of the unit.
4. Carry on moving the unit in the same direction until all of the signal LEDS go out and then reverse direction.
 - Once again, mark the point at which the top LED lights up and the buzzer sounds by placing a pencil mark in the groove on top of the unit.
 - The middle of the studding is located mid way between the two pencil marks.

Always check that the “STUDDING” that you have detected is not a metal pipe, see page 6.

STUD DETECTION

NOTES

- You can use the detector on wallpaper, however it may not be effective on some types of foil backed wallpapers.
- If the unit is placed over studding during the calibration, the unit will not work, simply re-calibrate the unit 150 mm away from the last place.
- The surface of the wall should be dry and flat.
- Always keep your free hand away from the wall during detection.
- If you release the test button at any time during detection, you will need to carry out the calibration procedure again.
- Knots in wood can cause false readings to occur.
- Normally, studding is placed at intervals of 40 - 60 cm.

TIPS

- Re-calibrate the unit frequently to avoid inaccurate readings.
- Take several readings vertically above, below, to the left and right to confirm the reading.

DETECTION DEPTHS

Iron Pipe (25mm) 30 mm

Studding (30 x 30mm) 18 mm

AC Voltage (90-250V @ 50/60 Hz) 50 mm

Detection depth can vary due to moisture content and texture of the wall, paint etc.

END OF LIFE



Do not dispose of this product with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic equipment, at a recognized disposal facility.

SPECIFICATIONS

Battery:	9V, PP3 or equivalent
Weight:	164 g
Dimensions:	(H x W x D) 151 x 65 x 31mm
Storage temperature:	-20°C to 50°C
Operating temperature:	-7°C to 40°C

DECLARATION OF CONFORMITY - UKCA

UK
CA

Clarke[®]
INTERNATIONAL

Hemncill Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following UK legislation:

Electromagnetic Compatibility Regulations 2016.

The Restriction of the Use of Certain Hazardous Substances

in Electrical and Electronic Equipment Regulations 2012.

The following standards have been applied to the product(s):

EN 61326-1:2013, EN 61326-2-2:2013.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

This product was placed onto the market: 2006

Product Description: "3-in-1" Super Detector
Model number(s): CDM65
Serial / batch Number: N/A
Date of Issue: 24/03/2021

Signed:



J.A. Clarke
Director

DECLARATION OF CONFORMITY - CE



Clarke[®]
INTERNATIONAL

Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2014/30/EU *Electromagnetic Compatibility Directive.*

2011/65/EU *Restriction of Hazardous Substances, (amended by 2015/863).*

The following standards have been applied to the product(s):

EN 61326-1:2013, EN 61326-2-2:2013.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2006

Product Description: "3-in-1" Super Detector
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