United Kingdom Bedfordshire Company Limited Laporte Way, Kingsway House, Deta Electrical

GN2346/R2

SMOKE ALARMS & HEAT ALARMS AINS POWERED

- Fitting Instructions
- User Information Location Guide
- Basic Fire Safety Tips
- User Maintenance Instructions

MODELS:

IONISATION SMOKE ALARN 1151

1153 OPTICAL SMOKE ALARM THERMALLY ENHANCED

HEAT ALARM

CLASS II APPARATUS MAINS POWERED ALARMS 220-240VAC (V)

please leave this manual or a copy with the When installing this alarm for use by others AND RETAIN THIS OWNERS MANUAL IMPORTANT: PLEASE READ

CHECKS BEFORE USE

- Check battery has been fitted correctly
- Check alarm is not beeping
- Test alarm before switching on the electricity supply.
- Check the green light is on

Check the red light flashes every 45 seconds or so

- When testing linked alarms check that they all interconnect within 10 seconds

GUIDANCE ON INSTALLATION

avoid contamination. Remove the dust cover before applying power. Connect the alarm as late as possible in an installation, particularly in new build, to This alarm must not be exposed to dripping or splashing.

NOTE: For detailed guidance on the siting of this alarm refer to section C of this

mains electricity supply should take the form of either. that cannot be turned off by a switch. BS5839 Part 6 states that: For mains powered alarms, each with an integral standby supply (Grade D), the IMPORTANT: The circuit used to power the alarm must be a 24 hour voltage circuit

 a) an independent circuit at the dwelling's main circuit board, in which case no supply to the alarms); or dedicated monitoring device installed to indicate failure of the mains electricity other electrical equipment should be connected to this circuit (other than a

a separately electrically protected, regularly used local lighting circuit

any HCD protection for circuits supplying sockets or portable equipment If it is necessary to use an HCD for protection, it should operate independently of All interconnected alarms should be installed on a single final circuit.

connected to any model produced by another manufacturer. number of alarms interconnected together is 12. DETA smoke alarms should not be **NOTE:** The maximum interconnect wiring length is 250 metres. The maximum

> advice in section C: WHERE TO LOCATE below The location of the alarms must comply with the applicable building codes and the

INSTALLATION

Connect the brown (live) in the house wiring to connector Land the house blue wire (Neutral) to connector N

SUPPLY EARTH SHOULD BE MADE TO THE MAINS ELECTRICITY NO CONNECTION

Fig 1.

IN SPARE CONNECTOR MARKED E. See Fig 1 HOUSE WIRING EARTH TERMINAL. TERMINATE

For multiple alarm insulated and sleeved. interconnect line. This the earth wire for the marked I. DO NOT use of that cable to connector and connect the third core must be treated as live, i.e. to be interconnected between all the alarms core and earth" style cable installations use a "three

Fig 2.



Locate the molded arrow on the side of the base the alarm onto the base by gently applying pressure until the alarm 'clicks' into just below the base with both arrows in the same orientation and locate and smoke alarm see fig 2. Position the smoke alarm

- Switch on the mains electricity supply
- Check that the green light is on and that the red light is flashing every 45

The lights are located behind the grille on the front of the alarm

Press and hold the test button until the alarm sounds NOTE: On the 1151 & 1153 alarms, pressing this button places the alarm in

SYSTEMS OF MORE THAN ONE ALARM

triggered within 10 seconds. Test each alarm in the system checking that all other alarms in the system are

misleading and may damage the alarm. Do not attempt to test the alarm with flame heat or smoke, them results may be WARNING

will reduce the chances of the alarm being contaminated by building dust etc. invalidate the warranty. insulation testing equipment otherwise this will damage the alarm and will Hemove the alarm from the system before testing the wiring with high voltage The dust cover must be removed as late as possible before commissioning. This

WHERE TO LOCATE

As a minimum smoke alarms should be located between sleeping areas and one smoke alarm, particularly if the hallway is more than 15m long. In single To ensure audibility in the bedrooms it may be necessary to install more than storey homes with two separate sleeping areas, a minimum of two smoke hallway as close as possible to the living accommodation homes with one sleeping area a smoke alarm should be installed in the potential sources of fire such as living rooms and kitchens. In single storey

> (normally hallways and landings). start and on each storey in circulation areas which form part of the escape route ground floor between the staircase and any rooms in which a fire might level homes as a minimum a smoke alarm should be installed on the alarms is required, one outside each sleeping area. In multilevel or split

smoke alarms and should always be interconnected to smoke alarms. alarms. They should only be used in the applications listed below in addition to

NOTE: Heat alarms should not be used in escape routes instead of smoke

- Additional alarms should be installed in bedrooms in anticipation of fires originating there, caused by faulty wiring, lights, appliances, smokers or
- For best protection, smoke alarms should be installed in every room in and such like where smoke alarms would be unsuitable. All alarms must be Heat alarms should be used in kitchens, boiler rooms, laundry rooms, garages your home, apart from those listed in the 'LOCATIONS TO AVOID' section

Grey or Black - Neutral = Blue Live = Brown

- Install smoke alarms in circulation areas at a distance no greater than 7.5m from might start and no greater than 7.5m from the next smoke alarm the farthest wall, no greater than 7.5m from a door to any room in which a fire
- When heat alarms are installed in a room, they should be at a distance no the next heat or smoke alarm. to any room in which a fire might start and no greater than 5.3m from greater than 5.3m from the farthest wall no greater that 5.3m from a door
- As it is impossible to predict the source of a fire the best location for an alarm is doors and other openings to 12 inches) below the ceiling and the bottom of the alarm above the level of on a wall always locate the detection element of the alarm 150mm to 300mm the centre of the room or hallway. If it is necessary to locate the smoke alarm

NOTE: Heat alarms should not be wall mounted

- In rooms with simple sloped, peaked or gabled ceilings install smoke alarms ceiling may prevent smoke from reaching the alarm in time to provide an early 900mm (3 feet) from the highest point of the ceiling, 'Dead air' at the peak of the
- Closed doors and other obstructions will interfere with the path of smoke and and other obstacles side of a closed door. Install sufficient alarms to compensate for closed doors heat to an alarm and may prevent occupants from hearing an alarm on the other
- of Transport, Local Government and the Regions (DTLR BS5839 Part 6 and the Fire Safety guidance given by the Department Your local fire brigade or insurance company may be able to give you further advice. Call them and ask. Further help and information may also be found in

manufacturers advice should be sought. single-family occupancy private dwellings. For use in other applications the **IMPORTANT:** These smoke and heat alarms are intended primarily for use in

LOCATIONS TO AVOID

DO NOT locate alarms: -

- In turbulent air from fans, heaters, doors, windows, etc
- In high humidity areas such as bathrooms and shower rooms or where the temperature exceeds 39°C (100°F) or falls below 5°C (40°F)

one sleeping area Single storey,

two sleeping areas Single storey









표 픁 •



- Smoke alarms for limited protection
- Additional smoke alarms for better coverage
- Heat alarms
- 3 At the peak of an 'A' frame ceiling - dead air at the top may prevent smoke and heat from reaching the alarm to provide an early warning

- Less than 300mm (12 inches) from a wall when mounted on the ceiling.
- In insect infested areas. Tiny insects may affect performance
- from cooking or car exhaust could trigger a nuisance alarm (Smoke alarms) in poorly ventilated kitchen or garage. Combustion particles
- performance of the alarm In very dusty or dirty areas - dirt and excessive dust can impair the
- Within 300mm (12 inches) of a light fitting or room corners
- 9. In locations that would make routine testing or maintenance hazardous. (e.g. over a stairwell)
- 10. On poorly insulated walls or ceilings
- smoke or heat to the alarm. Near objects such as ceiling decorations that might impede the path of
- 12. Within 1500mm (5 feet) of a fluorescent light fitting and keep wiring at least containing fluorescent light fittings or dimmer switches. 1000mm (39 inches) from these fittings. Do not install alarms on circuits

Further help and information may be found in BS5839 Part 6

USER INFORMATION

- approximately every 45 seconds to confirm circuitry integrity. Operating Lights - A continuous green light indicates the alarm is receiving mains power. The red light doubles as an alarm source indicator and flashes
- the alarm. Red lights on other alarms flash every 45 seconds Alarm Source Indicator - Red light will flash every second in the unit originating
- to remind you that the alarm has been silenced. After 10 minutes the alarm will Alarm pause/silence (Smoke Alarms only)- silence your smoke alarm by automatically reset and the LED will continue to flash once every 45 seconds. cooking tumes) cause nuisance alarms. Red light flashes every ten seconds momentarily pressing the test button. Ideal when non-emergency smoke (e.g.

a good home fire safety programme. Review fire hazards and eliminate dangerous them and ask. Consider and discuss the following safety hints: conditions wherever possible. When fire strikes a prepared and practiced escape Smoke and heat alarms properly installed and maintained are an essential part of plan could prove vital. Your local fire brigade may be willing to advise you. Call

- Ensure everyone is familiarized with the alarm signal
- route. Always test doors with your hands before flinging them open. If they feel warm fire may be walled up behind them - leave closed and find another escape
- Don't waste time collecting possessions. Rouse all occupants and leave the building; your life is more valuable
- GET OUT, STAY OUT, GET THE FIRE BRIGADE OUT
- Keep everyone in a set meeting place after your escape
- If trapped inside, stay close to the floor, cover your mouth with cloth and conserve breath while you crawl to safety.
- Keep all windows and doors closed except for escape purposes
- Prepare and practice an escape plan before a fire starts.

Draw a floor plan. Have fire drills often. Practise your escape

USER MAINTENANCE

WHEN YOU HAVE FINISHED. attachment. Keep the nozzle from touching the unit. SWITCH POWER BACK ON the mains electricity supply and vacuuming through the vents using a soft brush Vacuum every six months to keep unit working efficiently by firstly turning off

Test the alarm once a week by: -

- seconds or so. The lights are located behind the grille on the front of the alarm Checking that the green light is on and that the red light is flashing every 45
- Press and hold the test button until the alarm sounds. NOTE: Pressing this button on alarms in the series also places the alarm in pause mode

Change the battery with a new one when the alarm beeps every 45 seconds

Turn off the power, usually at the consumer unit (fuse box). Green LED should

the base away from the alarm. Using a small flat blade screwdriver gently flex the locking clips on the side of

Using your other hand, disconnect the alarm by gently pulling away from the

Gold Peak 1606A or 1604S. Close battery door and refit the screw. alarm. Replace battery with Duracell MN1604, MX1604, Eveready PP3S, 6LF22 When alarm is removed, remove screw and open battery door on the rear of the

the alarm 'clicks' into place orientation and locate the alarm onto the base by gently applying pressure until Press the test button on the alarm to ensure correct operation be re-installing Position the smoke alarm just below the base with both arrows in the same Locate the molded arrow on the side of the base and smoke alarm see fig 2

confirm operation Restore mains power and ensure green LED lights and press the test button to

TROUBLESHOOTING

Problems are indicated by four events: -

Alarm does not sound upon pressing the test button

Green light does not illuminate when mains power is on

seconds when alarm is in standby). Red operating light remains steadily on, or off (i.e. does not flash every 45

fully charged. Alarm emits a beep every 45 seconds when back up power supply should be

Try the following: -

Inspect the fuse in the power circuit to the alarm

Gently vacuum as detailed in 'User Maintenance'

Replace the battery.

Call a qualified electrician to inspect the house wiring and connections to the

economically repaired. For address see the bottom of this page. distributor, indicating the nature of the problem. Units beyond warranty cannot be within warranty period and terms, return the unit with proof of purchase to the In the first instance contact the manufacturer for further advice. If the alarm is still If these procedures do not eliminate the problem. DO NOT ATTEMPT REPAIRS

room and/or operate the alarm pause (If fitted). alarm. DO NOT DISCONNECT THE ALARM. If no fire is apparent, ventilate the Abnormal air conditions may cause the highly sensitive alarm to give a 'false'

alarm pause (if fitted) EMERGENCY PLANS. Do not assume the alarm is a nuisance alarm and activate ALWAYS ASSUME THAT IT IS DUE TO AN ACTUAL FIRE AND FOLLOW YOU FIRE WARNING: IF THERE IS ANY QUESTION AS TO THE CAUSE OF AN ALARM

Do not paint the unit. Dust can have an adverse effect. Vacuum as recommended above.

Other factors such as nicotine contamination may also adversely affect the alarm

Radioactive Contents

Board to ensure absolute safety smoke alarms have been rigorously tested by the National Radiological Protection (Radiation Protection Guidance for Scientists and Physicians). All Deta ionisation anyone installing or using the smoke alarm. Any stray particles would be unable to material is in the form of a sealed source and represents no hazard whatsoever to 0.9 microcuries (30 kilobequerels) of Americium 241, to detect smoke. This Ionisation type smoke alarms (1151) utilise a tiny amount of radioactive material 'penetrate the dead layer of skin and thus do not constitute an external hazard"

products life. Contact your local authority for information about collection points in unsorted municipal waste and must be collected separately at the end of the This product, the batteries and other accessories must not be disposed of as

Limited warranty

No agent, representative, dealer or employee from DETA has the authority to date of purchase. DETA do not make any guarantees for this product and workmanship under normal use and service for a period of five years from the DETA products are warranted by the Distributor to be free from defects in materials increase or alter the obligations or limitations of the warranty.

or workmanship under normal use and service during the five year period any part of the smoke or heat alarm which is found to be defective in materials damage, unreasonable use, modifications or alterations occurring after the date of commencing from date of purchase. DETA shall not be obligated to repair or How to obtain warranty service purchase. This warranty does not affect a customer's statutory rights in any way. replace smoke or heat alarms which are found to be in need of repair because of DETA's obligation of this warranty shall be limited to the repair or replacement of

SUBSTITUTE FOR PROPERTY, DISABILITY OR OTHER INSURANCE OF ANY fitness for any particular purpose with respect to battery. YOUR ALARM IS NOT A concerning its use; care and service please consult this manual AGENT. In the event of a problem with your alarm or you have any questions KIND. APPROPRIATE COVERAGE IS YOUR RESPONSIBILITY. CONSULT YOUR guarantee, express or implied, written or oral, including that of merchantability or If service is required, return the product to your retailer. The DETA makes no

If you require any further help or clarification please write to:

Bedfordshire, LU4 8RJ, United Kingdom Deta Electrical Company Limited, Kingsway House, Laporte Way, Luton

DETA technical hot line: 01582 544548

Davy Way, Waterwells Business Park, Gloucester GL2 2DE Placed on the market by Sprue Safety Products Ltd, Unit 6 Carter Court,

Please note that specifications may be subject to change

PLEASE KEEP THIS MANUAL IN A SAFE PLACE



MODEL 1153

MODEL 1155

0086 0086-CPR-597993 EN14604: 2005 DoP13/05

0359-CPR-00253 EN14604:2005 DoP14/11 usual for LSS Scheme





