Clipsal Fire Tek® Smoke Alarms
Installation Guide

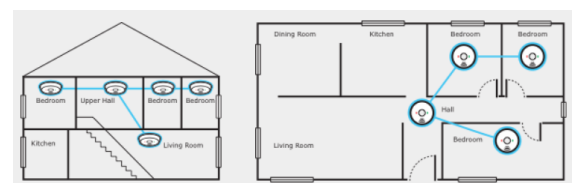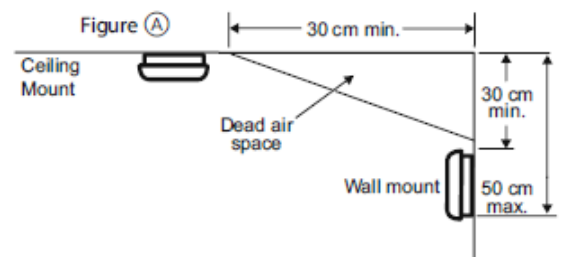## Why is installation care so important?

Smoke alarms are important mandatory safety devices to protect people in their homes by providing early warning of a fire to allow enough time to escape safely. However if not installed properly, considering the environment and regulations, they may not function as expected or could even become a nuisance by false alarming. Always follow the installation instructions and make sure to test your install every time.
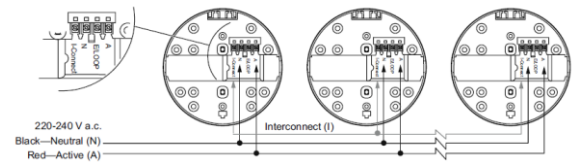
Installation guide

1) Find suitable Locations
   - Ensure to meet the NCC (National Construction Code) requirements and local state building regulations.
   - Avoid dead air space (corners, near bulkheads)
   - Avoid installing near air vents or return air ducts
     - Keep >1m away.
     - (this avoids dust blowing into alarm, and smoke being dispersed away from alarms).
   - Don't install in dusty or humid areas or areas prone to insects.
   - Keep away from bathrooms and laundries or areas producing steam or high humidity
   - Keep away from kitchens (kitchen smoke may lead to nuisance alarming).

Figure Ⓐ

Ceiling Mount — 30 cm min. — Dead air space — 30 cm min. — Wall mount — 50 cm max.
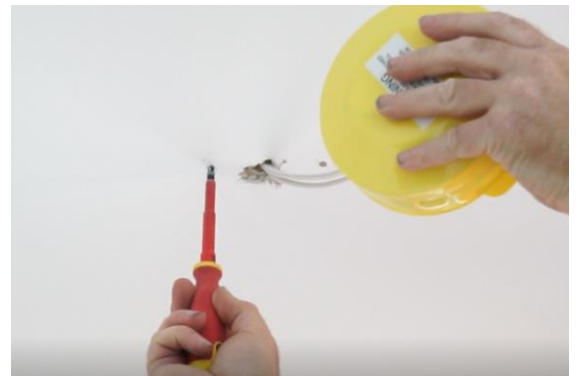
Keep > 1m

2) Wire for success.
- Keep alarm > 1 metre away from Electrical noise sources such as LED downlights, fluoros or fan motors. Electrical noise may cause false alarms.
- Avoid tapping wiring from circuits feeding electrical noise sources such as ceiling fan motors.
- When interconnecting alarms:
    - Always wire on the same circuit, never wire alarms on different phases or the alarm could be damaged.
    - Always use a common neutral
    - Avoid running the interconnect cables in parallel with mains cables that may induce voltages.
- To avoid electrical noise issues, it is recommended to install smoke alarms on a separate circuit where possible.

3) Avoiding gyprock/construction dust.
- When unpacking and preparing to mount alarm, always keep the dust cover on.
- Avoid gyprock dust entering alarm when drilling or screwing in plugs or wallmates.
    - I.e. Don't leave the alarm directly underneath while dust is falling down.
- When mounting and tightening screws, avoid dust entering into alarm.
- Keep the dust cover on until all cleaning is done and the home occupant has moved in.

4) Mounting the base.
- Make sure that the base is mounted flush to the ceiling.
- If ceiling is uneven, don't overtighten screws or bend the base to avoid any issues clipping in the alarm head.
- Use 4 screws if needed
- On the 755RLPSMA4 rechargeable lithium model, before closing the unit onto the base, make sure to remove the transport interlock to activate the rechargeable batteries. In 2019 this will changed to a slide switch.

Keep > 1m

755RLPSMA4 Transport interlock
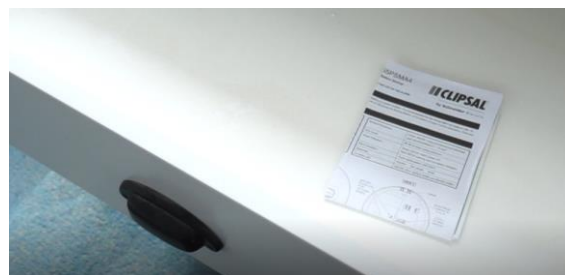
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5) Testing the alarm/s
   - Once the circuit is energised, check the battery backup is working ok, indicated by the RED LED flashing every 40 seconds The alarm will also beep once for initial startup.
   - Test the alarm by pressing the test/hush button for 3 seconds. Hold for another 3-5 seconds to test all wired interconnected alarms. Hold for another 5-10 seconds to check wireless interconnection is working.
   - Do this on all interconnected alarms to make sure the full system is working. Make sure each time, all interconnected alarms go into alarm.
   - Always replace the dust cover back onto the smoke alarms until all construction is done and all cleaning is complete.

6) Before you leave an install.
   - Before leaving an install, spray insect spray on a cloth and wipe around the alarm to deter insects.
   - Leave the installation instructions with the home occupant and remind them about regular maintenance – testing evey month, vacuum alarm every 3-6 months, replace battery every year and replace the whole alarm every 10 years.
   - Refer to our maintenaince and trouble shooting guide for more help and tips.
   - http://www.clipsal.com/getmedia/94b85292-9efe-4105-bf1a-4f634f417564/Clipsal-Smoke-Alarms-Maintenance-and-Troubleshooting-Guide.PDF.aspx

7) Visit Clipsal.com/smokealarms for more information on the Clipsal Fire Tek® Smoke alarms.

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