



# The new rules for smoke alarms

## A step forward in safety

New Zealanders' homes are set to become safer with the implementation of a Building Code update by the Ministry of Business, Innovation and Employment.

From 1 November 2024, it will be mandatory for all new homes to have a Type 1 Smoke Alarm System.

*C1–C6 Protection from Fire – Acceptable Solution C/AS1*, published by MBIE on 2 November 2023, requires that “each household unit shall be provided with a minimum of Type 1 domestic smoke alarm system in compliance with NZS 4514.”

### What is a Type 1 smoke alarm system?

A Type 1 is a smoke alarm or multiple interconnected smoke alarm devices, each containing a smoke detector and an alarm sounding feature.

According to MBIE, interconnected smoke alarms alert occupants in residential fires faster and provide occupants more time to respond and escape from a fire.

### Where does NZS 4514:2021 require smoke alarms to be installed?

Smoke alarms are required in all bedrooms, living spaces, hallways, and landings within the building.

### How do interconnected smoke alarms work?

Interconnected smoke alarms work by sending signals between the smoke alarms in a house. This means that if one smoke alarm in a particular room detects a fire, all the smoke alarms in that house will activate and sound an alarm – adding an extra layer of safety by letting everyone in the house know about a fire at the same time, even if they are further away or sleeping.

### Transition period changes

From 1 November 2024, previous versions of acceptable solutions and verification methods will no longer be deemed to comply with the Building Code.

For new buildings, a hard-wired interconnected smoke alarm system can be installed during construction while the house is being wired.





For those who wish to upgrade to the new Building Code requirements in the course of renovating an existing building, there is a battery-operated, wireless interconnected smoke alarm system which enables safety improvement without rewiring the home.






# Fire Tek® and Wiser® Smoke alarms

## Photoelectric Smoke alarms


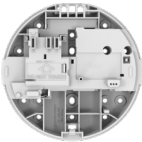

### Fire Tek Smoke Alarm Specifications

| Product  | Key features  |
|--|---|
| <br>755PSMA4    | The 755PSMA4 Photoelectric smoke alarm helps in early detection of smouldering fires. It can be used as a single mains powered battery backed (with 9 V d.c.) alarm or can be interconnected with other 755 series smoke alarms to give complete home protection. The robust flip-down design makes installation and maintenance simple.  |
| <br>755RLPSMA4  | 755RLPSMA4 photoelectric smoke alarm helps to detect smouldering fire types. It can be used as a single mains powered battery backed alarm or can be interconnected with other 755 series smoke alarms to give complete home protection. Its sealed-in rechargeable battery means no more replacing backup batteries annually. The robust flip-down design makes installation and maintenance simple. |
| <br>755PFM4    | 755PFM4 is a photoelectric flush mount smoke alarm that can be used as a single mains powered battery backed alarm or can be interconnected with other 755 series smoke alarms. The stylish design is extremely low profile and unobtrusive. It caters for fast installs with 90mm cut out & extra-large terminals. The robust clip-in alarm design makes installation and maintenance simple.        |
| <br>755LPSMA4 | 755LPSMA4 photoelectric smoke alarm helps in early detection of smouldering fires. Powered by a 10-year sealed-in lithium battery means no more replacing backup batteries annually. It can be wireless interconnected with the 755RFB2 and Wiser smoke alarms to create a complete system with all Fire Tek and Wiser smoke alarms. New stylish low profile design blends into any decor.            |

### Wiser Smoke Alarm specifications

|   |   |
|---|---|
| <br>755WSA     | The Wiser 240V Round smoke alarm provides added peace of mind, combining a robust stylish smoke alarm with smart home functions. Fits onto existing Clipsal Fire Tek bases making upgrades simple. When used with a Wiser hub the Wiser by SE app it provides push notification alerts and Automations can trigger lights to come on if smoke is detected. New dual spectrum photoelectric sensing technology helps to mitigate false alarms for added confidence. Lithium 10yr battery backup. It can be wired or wireless interconnected to all Wiser and Fire Tek smoke alarms.                  |
| <br>CLP599WSA  | The Wiser 240V Square smoke alarm provides added peace of mind, combining a robust stylish smoke alarm with smart home functions. When used with a Wiser hub the Wiser by SE app provides push notification alerts and Automations can trigger lights to come on if smoke is detected. New dual spectrum photoelectric sensing technology helps to mitigate false alarms for added confidence. Lithium 10yr battery backup. It can be wired or wireless interconnected to all Wiser and Fire Tek smoke alarms.  |
| <br>PDL599WSAL | The Wiser Lithium battery powered smoke alarm provides added peace of mind, combining a robust smoke alarm with smart home functions. When used with a Wiser hub the Wiser by SE app provides push notification alerts and Automations can trigger lights to come on if smoke is detected. New dual spectrum photoelectric sensing technology helps to mitigate false alarms for added confidence. Powered by a 10-year sealed-in lithium battery avoids the need to replace batteries. It can be wireless interconnected to Wiser smoke alarms and the 755RFB2 and 755LPSMA4 Fire Tek smoke alarm. |

## Accessory specifications

| Product  | Key features  |
|--|---|
|  <p>755RB</p>   | <p>The 755RB helps to integrate Clipsal smoke alarms with devices like lights &amp; sirens. This functionality is offered through a changeover, voltage free relay contact and it also provides a remote test/hush feature through momentary pushbuttons. The relay can be configured to operate only when the local alarm is activated or when any interconnected alarm activates.</p> |
|  <p>755RFB2</p> | <p>The 755RFB2 Wireless Mounting Base allows up to 40 Fire Tek smoke alarms to be wirelessly interconnected. This is useful when adding a new alarm to an existing group, or if it is challenging to run interconnected cables. It also has a remote test/hush input to allow testing or silencing from a momentary wall switch.</p>  |
|  <p>756</p>     | <p>The 756 Smoke alarm isolation unit provides control of auxillary devices such as lighting, sirens, strobes or security systems when a smoke alarm is triggered. The isolated changeover relay contacts activate when an interconnected signal is received from a Fire Tek smoke alarm.</p>   |

## Ordering details

| Catalogue No.      | Description  |
|--------------------|--|
| 755PSMA4           | 230 V a.c. Mains Power Surface Mount Photoelectric Smoke Alarm with 9 V d.c. Battery Backup, Gen 4             |
| 755WSA             | 230 V Smoke Alarm, Round, Works with Wiser   |
| CLP599WSA          | Wiser 230 V smoke alarm, square  |
| PDL599WSAL         | Wiser Lithium battery smoke alarm, square  |
| 755RLPSMA4         | 230 V a.c. Mains Power Surface Mount Photoelectric Smoke Alarm with Rechargeable Lithium Battery Backup, Gen 4 |
| 755PFM4            | 230 V a.c. Mains Power Flush Mount Photoelectric Smoke Alarm with 9 V d.c. Battery Backup, Gen 4               |
| 755LPSMA4          | Lithium Battery Powered Photoelectric Smoke Alarm with built-in wireless interconnection                       |
| <b>Accessories</b> |  |
| 755RB              | Smoke Alarm Mounting Base with Integrated Relay  |
| 755RFB2            | Smoke Alarm Mounting Base with Wireless Interconnect, Gen 2  |
| 756                | Smoke Alarm Isolation relay unit   |

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