



# FireTek<sup>®</sup> Smoke Alarms

Photoelectric Smoke Alarms



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Life Is On



by Schneider Electric



# Smoke alarms to suit every Kiwi home

All Fire Tek Smoke Alarms are ideal for any residential environment.

The range includes surface-mount options, or for something with a little more style, a low profile, flush-mounted option is also available.

## Easy to fit, hard to beat

On the surface mount models, the innovative, removable hinged cover makes accessing the terminals and backup battery with one hand a breeze. Multiple mounting points and ample wiring space provide greater flexibility, while fit-off contacts automatically provide power to the smoke alarm, once installed.

The flush mount alarm has an easy-to-install mounting base using a 90mm cut out and large wiring terminals with ample space. The alarm unit just clips in and then out again for maintenance.

You can mix old with the new too. The new surface mount Smoke Alarms are compatible with 755PSMA and 755SMA mounting bases. This makes retrofitting quick and easy because when they reach their end of life at 10 years, a new base doesn't have to be installed.

Also all Fire Tek alarms, new and old are all fully interchangeable with each other.





### Stylish design

Today's modern homes combine technology with taste, so smoke alarms should be of the highest quality, while complementing the interior of any home. Fire Tek Smoke Alarms combine quality with style, to complement any interior décor and provide superior protection for your customers. They're new, they're sleek and they're stylish!

If your customers want a subtle look that doesn't detract from their down lights, the flush-mount option is just what they need. With a 90mm diameter face, it looks right at home amongst any down lights.

### Innovative remote test/hush feature

Your customers now have the option of a remote test/hush feature, which is built-in to the optional 755RB and 755RFB mounting bases. Testing or hushing their smoke alarm is now safer and easier than ever. Simply wire the base to any momentary switch on any PDL switch plate.

If activated, the smoke alarm will automatically resume normal operation after about 10 minutes. If a fire hazard is present and smoke continues to rise, while the smoke alarm is in hush mode, it will reactivate.

### Your best connection in fire safety

The Fire Tek Smoke Alarm range can be hard-wire interconnected with up to 40 units, but if you're needing to add a new alarm and/or find it challenging to run interconnect cables, the wireless interconnect option is a very handy feature.

Available for use with surface-mount models, the 755RFB Wireless

Mounting Base allows up to 20 alarms to be wirelessly interconnected.

And if you require connectivity with third-party hardware, such as security systems or emergency lighting, an integral isolated relay is available within the 755RB surface-mounting base.

The relay function is configurable to operate if any interconnect alarm is activated or if only the local alarm is activated. This provides a method of identifying and communicating to other systems exactly which interconnected alarm has detected smoke.



## Features and benefits

- Flush-mount and surface-mount options available
- Stylish, modern housing
- Photoelectric technology provides maximum protection against smouldering fires
- Mains-powered, 220-240V AC
- Rechargeable lithium battery backup option with surface-mount alarms
- 9V DC battery backup (included on 755PSMA2 and 755PFM models)
- Fast and easy installation and maintenance
- Surface-mount alarms clip onto existing 755PSMA and 755SMA mounting bases
- Surface-mount alarms incorporate a new, robust digital design for reliable operation
- Built in test/hush buttons and optional remote test/hush function when using 755RB and 755RFB mounting bases
- Loud alarm indication: 85dB at three metres
- Interconnect up to 40 units (wired) or 20 units (wireless with 755RFB)
- Optical sensing chamber with integral stainless steel insect screen
- Connect third-party devices, i.e. lighting, security alarms and home automation systems, using optional 755RB relay mounting base or 756 module

## Certified fire safety, guaranteed

All Fire Tek Smoke Alarms are manufactured to the highest possible quality. They meet all relevant Australian & New Zealand Standards and are ActiveFire listed to comply with the Building Code NZ Standard 4514. They also come with a 5-year limited warranty and carry the Five Ticks StandardsMark™ SAI Global Certification.



## Why choose photoelectric?

A significant amount of home fires occur each year in New Zealand.

According to fire authorities, fire hazards present the highest risk when occupants are sleeping. The most likely type of fire encountered while occupants are sleeping is a smouldering fire.

Our sense of smell decreases when sleeping, so early warning of any fire is imperative, to allow enough time to escape. Photoelectric smoke alarms provide the earliest detection of a fire hazard in the home, so occupants can escape quickly and safely.





Photoelectric smoke alarms are also recommended by New Zealand Fire Departments and contain no radioactive material, making them easy to dispose of and better for the environment.

### Smoke alarm maintenance

Like other electrical accessories in the home, smoke alarms require maintenance to ensure efficient and effective operation.

Test the smoke alarm and battery every month

It's important that the smoke alarm and battery backup is checked regularly, to ensure the best protection for any home. To test, press the Test/Hush button on the unit, or via the remote Test/Hush wall switch (remote function only available on surface mounting bases).

Checking the battery should be done with the mains power switched off. The alarm should sound, indicating that the battery condition is acceptable. If the unit fails to respond, the battery should be replaced without delay.

Ensure to clean the alarm from dust or insect ingress each month to avoid any unwanted false alarms.

### Replace the battery every year

Your customers should replace smoke alarm batteries once a year, to ensure that they work correctly. Recommend to them they choose a common date, which occurs every year and is easy to remember (i.e. birthdays, end/start of daylight saving).

### Replace the smoke alarm every 10 years

All smoke alarms have a limited service life, of 10 years. After that period, the entire smoke alarm unit must be replaced with a new one.

### Smoke alarms in the home

The Building Code of New Zealand mandates the installation of smoke alarms located outside of sleeping areas and at least one on each level of every new home (interconnected) – but is one enough? And where should it/they be located to ensure correct operation?

Smoke alarm locations require careful consideration. Avoid certain areas that could cause false alarms or nuisance tripping. It is recommended to install an alarm in every room (excluding kitchen, laundry and bathrooms) and interconnect them for maximum protection.



## Accessory Specifications

Model	755RB	755RFB	756
Main Power Source:	220-240 V a.c., 50 Hz	220-240 V a.c., 50 Hz	6V to 10V d.c. Referenced to Neutral
Secondary Power Source:		Sealed rechargeable battery	1mA min
Operating Current:		≤40 mA	
Battery Life:		Ten years	
Terminal Provisions:	Active, Neutral, Loop and Interconnect terminals, each accommodates 2×1.5 mm <sup>2</sup>	Active, Neutral, Loop and Interconnect terminals, each accommodates 2×1.5 mm <sup>2</sup>	Interconnect, Neutral and Loop terminals, each accommodate 2x 2.5mm <sup>2</sup> .
Interconnecting:	Max. 40 alarms (wired over 150 metres maximum)	Max. 20 alarms (wireless) Max. 40 alarms (wired over 150 metres maximum)	Max. 40 smoke alarms connected to a single 756 unit.
Operating Temperature:	0 °C to 45 °C	0 °C to 45 °C	0 °C to 50°C
Ambient Humidity:	5% to 95%	5% to 95%	5% to 95%
Relay Rating:	250 V a.c., 2 A		250V a.c. 10A Resistive and inductive.
Relay Contacts:	NO/COM/NC voltage free		NO/COM/NC voltage free
Remote Input:	Dry contact momentary switch (for Remote Test / Hush function)	Dry contact momentary switch (for Remote Test / Hush function)	
Approvals:	Activfire RCM	Activfire RCM	RCM
Complies with:	AS/NZS 3100	AS/NZS 3100 AS/NZS 4268	
Transmit Frequency:		433.92 MHz	
RF Range (line of sight):		100 m free air, 30 m indoors	
Coding Selection:		16 combinations	

## Ordering Details

Catalogue No.	Description
755PSMA2	240 V a.c. Mains Power Surface Mount Photoelectric Smoke Alarm with 9 V d.c. Battery Backup
755RLPSMA2	240 V a.c. Mains Power Surface Mount Photoelectric Smoke Alarm with Rechargeable Lithium Battery Backup
755PFM	240 V a.c. Mains Power Flush Mount Photoelectric Smoke Alarm with 9 V d.c. battery backup
Accessories	
755RB	Smoke Alarm Mounting Base with Integrated Relay
755RFB	Smoke Alarm Mounting Base with Wireless Interconnect
756	Smoke Alarm Isolation relay unit

For more information on PDL Fire Tek Smoke Alarms, contact your local PDL and Schneider Electric Partner Business Representative, electrical wholesaler or visit [pdl.co.nz](http://pdl.co.nz)

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