



The ultimate solution for residential protection

PDL Resi9



When it comes to circuit protection, Kiwi homes deserve nothing but the best. With so many appliances running in today's homes, switchboard safety is more important than ever. It is crucial to have the right electrical protection to help keep your family safe against shocks and arc faults that cause electrical fires. They can also add protection against power surges that could damage your appliances and electronic devices.

The new Resi9 range brought to New Zealand by PDL, offers a comprehensive meter board and data board solution for home electrical safety. Resi9 offers a full residential solution and is modular, future ready and expandable, offering flexibility, reliability and market leading performance.



<https://www.pdl.co.nz/safety-and-protection>

Life Is On

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Three Simple Steps to Advanced Protection

The current level of basic protection is offered by MCBs and RCDs. However you have an option to upgrade to a more advanced level of protection to provide comprehensive safety for your home. PDL has three key levels of safety solutions for home switchboards: RCBOs, SPD and AFDDs.

1. RCBO

Protect People & Cables



2. Surge Protection (SPD)

Protect Appliances



3. Arc Fault Detection (AFDD)

Detect Arc Faults



- **Level 1: Protect people and cables with RCBO (Residual Current Breaker with Overcurrent Protection).** An RCBO protects against overloads (excessive current flow) and short circuits (abnormal current flow due to a fault). Upgrading to RCBOs means every circuit has its own combined safety switch. This makes fault finding simpler, and if there's a problem, only one circuit turns off, the rest of your home keeps running which means less hassle for you. The new innovative MAXBAR also makes the installation faster for the electrician, and gives you extra protection across all circuits.
- **Level 2: Protect appliances with SPDs (Surge Protection Device).** The average NZ home now has an estimated \$15,000 worth of appliances and this is worth protecting. Adding an SPD to your switchboard can also help to protect your appliances and electronic equipment from lightning strikes, power surges and voltage strikes.
- **Level 3: Protect against fire with Arc Fault Detection Device (AFDD).** AFDDs are like a smoke detector for your wiring, it looks for tiny sparks in the electrical system and are designed to help prevent electrical fires from starting. AFDDs act as a circuit breaker to automatically cut the electricity supply if they detect an arc fault in a circuit, helping keep your family and most prized possessions safe.

Pictogram Key



Surge protection



Fire protection



Cable protection



People protection



Isolator switch

Trusted Protection for Every Kiwi Home

- Known & trusted brand** - PDL has brought quality, longevity and safety to NZ homes for generations, backed by the global expertise of Schneider Electric. Resi9 is the most popular breaker range in NZ.
- Customisable** - Resi9 makes it easy for your electrician to customise protection to suit your budget and preferences, for right now, or in years to come. From entry-level homes to high-spec, PDL Resi9 range has the protection options to suit (including fire and equipment/lightning).
- The ultimate solution** - Resi9 offers a combined meterboard and databoard solution, allowing extra space for productivity, making it easier for expansion into solar, EV protection and energy management.



The Resi9 range can cover from basic to advanced protection in the home

Features	Resi9 Basic (RCDs, MCBs and Resi9 boards)	Resi9 RCBO + MAXBAR + Resi9 boards	Resi9 Enriched Safety (AFDDs, SPDs, RCBOs, MAXBAR & Resi9 boards)
Space for future enhancements	✓	✓	✓
Cohesive design	✓	✓	✓
Overload, S/C protection	✓	✓	✓
Shock protection	✓	✓	✓
Easier fault finding		✓	✓
Space optimisation		✓	✓
Surge protection			✓
Fire protection (Arc fault)			✓

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