



# The VIGILANT Generation 6 Range

Setting a new standard and style  
in fire detection

Available in all PANTONE colours / Improved optical  
chamber design / 2X Service Life / Simplifies installation  
and testing / Save times on commissioning



# RELAX. NO LADDER NEEDED.

Imagine if you could do away with this long tedious process, and test fire detectors from the ground using a remote control device?

Well, thanks to VIGILANT, now you can.

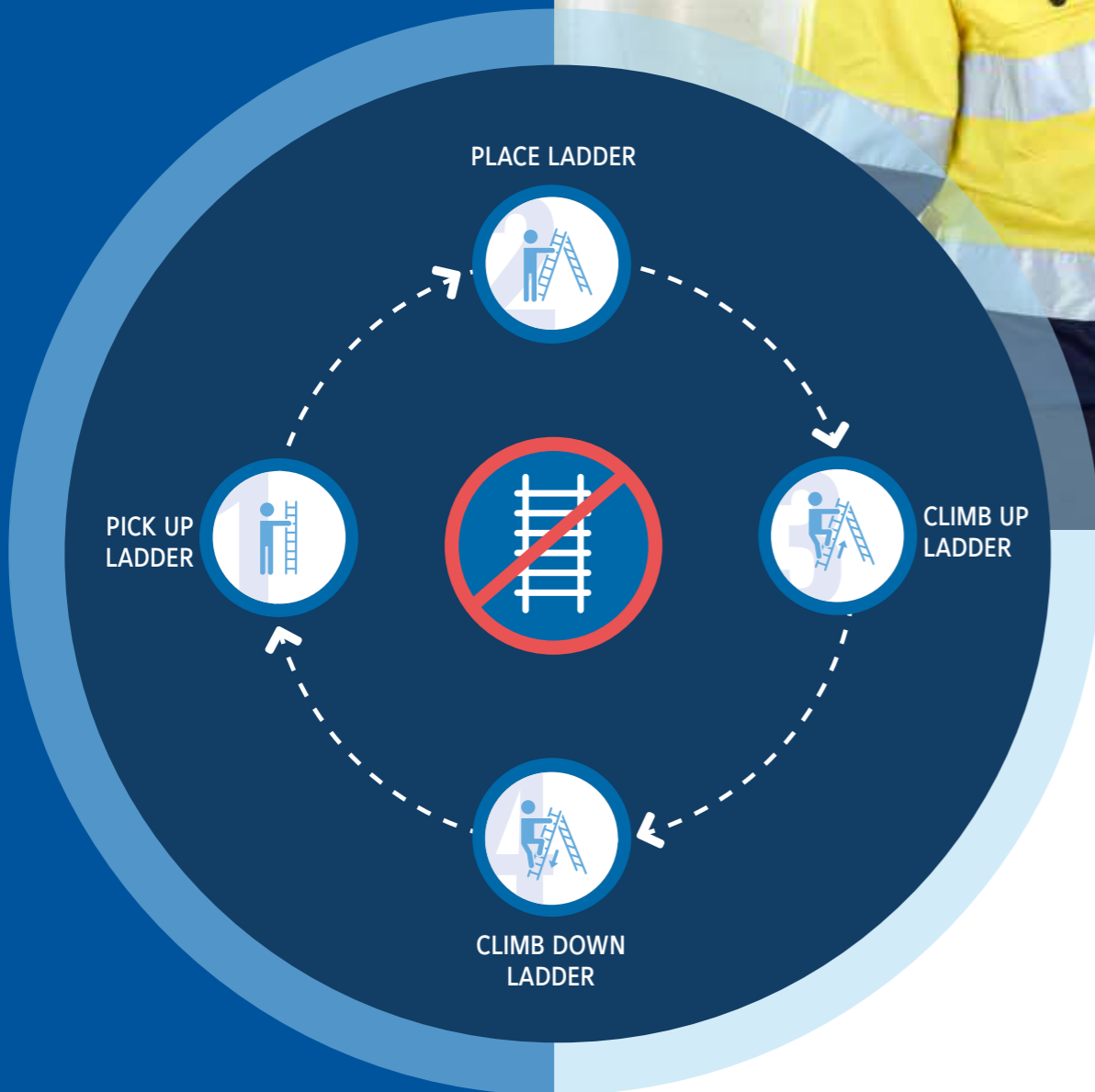


# REDUCE RISK & INCREASE PRODUCTIVITY

Working at height is an unfortunate yet often unavoidable reality of fire alarm installation. Climbing up and down ladders or scaffolds is time consuming and exposes staff to injury.

Our Generation 6 detectors, with infrared technology, keep you (and those you work with) safe.

At VIGILANT, we understand your challenges. It's all part of our promise to provide smart solutions that help you complete jobs quicker & easier.



## A WORLD FIRST: INFRARED TECHNOLOGY FOR THE FIRE DETECTION INDUSTRY

Our new Generation 6 MX Addressable Fire Detectors – powered by smart MX TECHNOLOGY – do more than just alert you the second any threat of fire arises. They are built with advanced 2-way infrared technology to make testing and commissioning a breeze.

Using our smart hand-held 850EMT (Engineering Management Tool), you can interrogate detectors effortlessly. Simply point, program and go.

That's right, reliable fire detection at your fingertips just became that easy.



# A FAILSAFE SYSTEM YOU CAN RELY ON

A malfunctioning fire detector can be more than a nuisance; it can be a real hazard. Thankfully, you can trust the Generation 6 range to keep itself in check.

It is designed with a continuous receptive self-monitoring system, a short circuit line isolator, and multifunction LED indicators that tell you if one of your detectors is out of commission.



## BETTER ENVIRONMENTAL PERFORMANCE



## BETTER DETECTION PERFORMANCE

- ✓ All input sources are fully monitored to ensure that the detectors are always operating within designed parameters
- ✓ Discrimination provided by Fastlogic algorithms can reduce false alarms from common sources
- ✓ Multi-sensor algorithms maximise detector performance in challenging environments



## GREATER FAULT TOLERANCE

- ✓ In the event of a short circuit fault on the addressable loop the 850 Series built-in short circuit isolator will ensure that all detectors will continue to operate
- ✓ This improves system integrity and saves the cost of an external isolator
- ✓ Automatic self test function on all sensor channels



## SAFER, EASIER & QUICKER TO INSTALL

- ✓ Bi-directional infrared communication for 850 series
- ✓ In hand reporting of status & faults
- ✓ Working in combination with the new 850EMT service tool the I.R. communications capability will revolutionise commissioning and service
- ✓ Programming and testing of a detector will be carried out by a single visit to the device



## LOWER LIFETIME COST

- ✓ Dynamic Drift Compensation is used to extend the service life of the detector
- ✓ Fire and Fault Indication In addition to the familiar 360° red fire LED the 850 series detectors also have a 360° amber LED indicator that will give a local indication of faults and notify operation of the detector's built-in short circuit line isolator

## POINT, PROGRAM & GO

Generation 6 detectors are tested and controlled using an all-new 850EMT Engineering Management Tool. Like a remote control, it uses infrared technology to test your fire protection devices.

It has an intuitive colour touchscreen interface and allows a wide range of configuration and diagnostic access.

# A LIFETIME OF SAVING

A promise of lower lifetime cost for each unit

Each Generation 6 unit you install will save you costs by delivering a longer and more reliable service life. The Extended Service Life (ESL) feature extends the service life of the detector by raising the alarm threshold as the device ages. A new optical chamber utilises all of the available dynamic range of the sensor.

This means the detector is able to achieve the maximum amount of drift compensation. This delivers you the longest service life possible whilst maintaining the approved level of sensitivity.

Drift compensation allows a detector to typically enjoy more than twice the service life of previous generations of detectors.

# 2x SERVICE LIFE

DISCOVER MORE [www.Gen6.com.au](http://www.Gen6.com.au)

## INNOVATION AT ITS BEST

### New and Improved Optical Chamber

The entire range has been updated with a redesigned smoke chamber, improved insect screen and advanced tropicalisation. It also has the ability to compensate for the effects of environmental contamination due to dust and dirt over time.





## THERE IS AN 850 SERIES UNIT TO SUIT ANY OF YOUR DETECTION NEEDS:

### 850PC

The 850PC utilises carbon monoxide (CO), smoke and heat sensors in combination to provide an early warning of carbon based fires whilst minimising nuisance alarms. The proven SmartSense algorithm achieves optimum detection.

### 850PH

The 850PH uses both photoelectric smoke and heat detection to provide reliable fire detection whilst minimising false alarms. The 850PH operates in four selectable logic modes, with three sensitivities in each.

### 850P

The 850P uses photoelectric smoke detection to accurately detect fire and limit nuisance alarms. The 850P also offers two alternate logic modes with three sensitivities available in each.

### 850H

The 850H uses a heat sensing element to produce an output proportional to temperature. The CIE uses the SmartSense algorithm to interpret returned values. The alarm will indicate that either the temperature or the rate of rise of temperature is above a safe threshold.

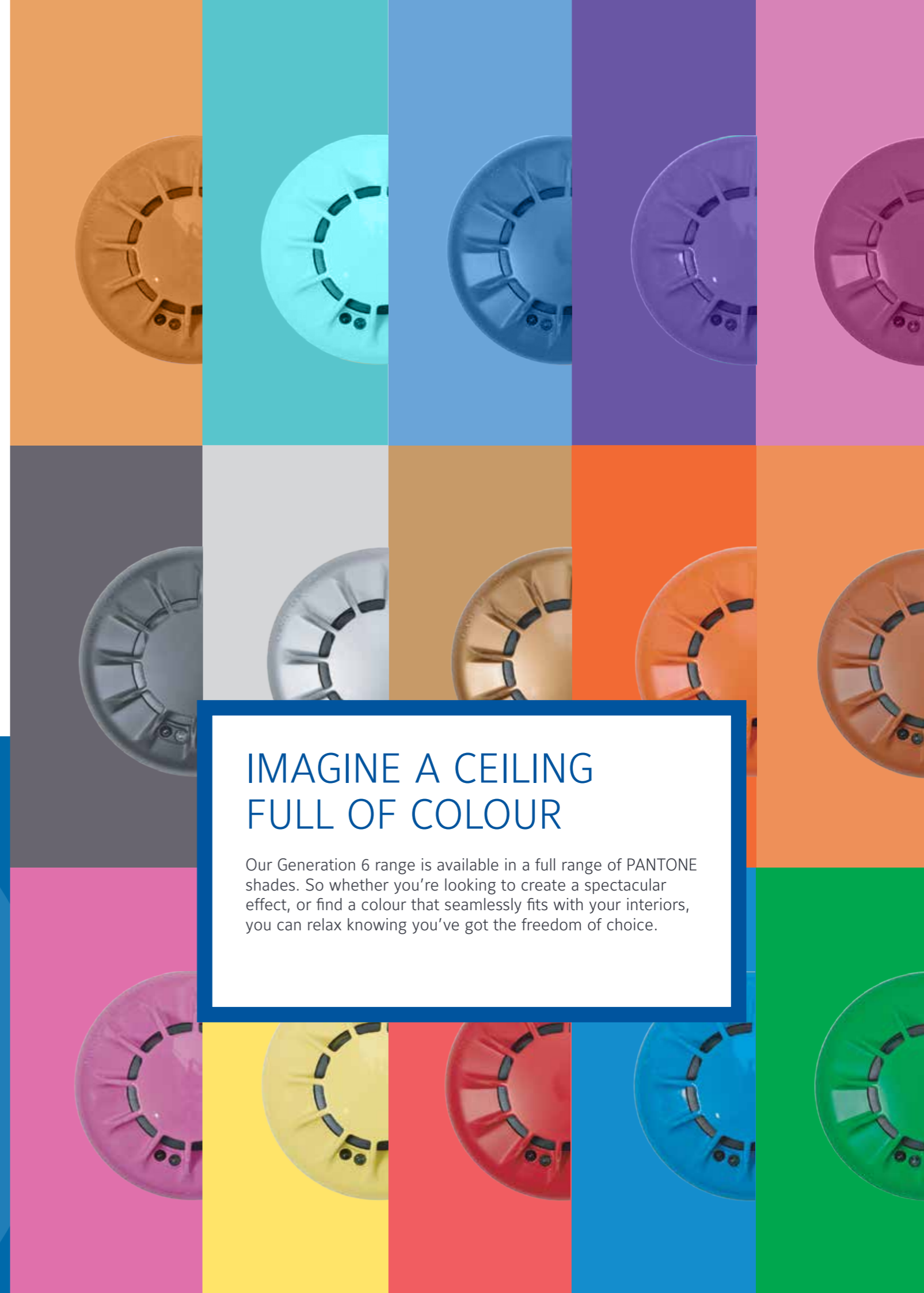
## COMPATIBILITY & CONNECTIVITY

Gen6 products work with our VIGILANT MX1 Network panels, SIMPLEX 4100ESi panels (and associated peripherals). The powerful combination offers the most effortless and comprehensive fire detection solution. It facilitates seamless integration and operation, and enables you to control various sites and systems from the one location.



## IMAGINE A CEILING FULL OF COLOUR

Our Generation 6 range is available in a full range of PANTONE shades. So whether you're looking to create a spectacular effect, or find a colour that seamlessly fits with your interiors, you can relax knowing you've got the freedom of choice.



# SAFER. SIMPLER.

More efficient than ever before.

Every aspect of our Generation 6 range is designed to save you time and money, without compromising safety.



## GET MORE WORK DONE IN LESS TIME

Test and commission detectors fast. Avoid unnecessary delays, keep your business moving, and turnaround projects (and cashflow) more quickly. Providing you the opportunity to take on new projects quicker to improve business revenue.



## LOWER POST-INSTALLATION COSTS

Using infrared technology, you can rest assured post-installation maintenance, servicing and testing will be super straightforward and easy.



## SPEED UP INSTALLATION

Comprising a unique Time Saver Mount, you can commission detectors before a ceiling is installed, reducing installation time and saving money on installation and labour costs.



## REAP LIFELONG VALUE

Featuring backward and forward capability, you can upgrade without the stress, labour and downtime involved with replacing entire systems.



## REDUCE OCCUPATIONAL HAZARD

Forget about that ladder. Thanks to infrared technology, you can program detectors remotely – with your feet planted safely on the ground.

## WHY CHOOSE VIGILANT?



We are industry leaders, committed to making your job easier.



You can rely on us for the most advanced solution to any project.



Our non-proprietary products are developed with the world's best fire technology experts.



We provide you with detectors that save costs, yet save lives.

### Added convenience and the freedom to choose

VIGILANT products are non-proprietary. This means you may enlist any trained technician to service or upgrade your fire detectors or panels as you wish. Because you're not bound to us, you can access more competitive prices and even nominate someone closer by.

This is all part of our promise to save you valuable time and money. Call us today to discover the benefits of working with us.



# Global Strength. Local Expertise. At your service.

---

## AUSTRALIA

Level 3, 95 Coventry Street  
Southbank VIC 3006

Tel : 1300 725 688

Tel : +61 3 9313 9700

Fax : +61 3 9313 9709

Email : [tfppcustservice.au@tycofp.com](mailto:tfppcustservice.au@tycofp.com)

## NEW ZEALAND

17 Mary Muller Drive  
Hillsborough PO Box 19-545

Woolston Christchurch 8241

Tel : +64 9 635 0617

Email : [tsp.sales.nz@tycoint.com](mailto:tsp.sales.nz@tycoint.com)

© 2017 Johnson Controls. All rights reserved. All specifications and other information shown were current as of document revision date and are subject to change without notice.

850broVIG1711