

The next generation Future ready

EXCELLENCE SERIES ADDRESSABLE
POINT DETECTOR CATALOGUE



Low profile
dual optical



Dual optical
& heat



Heat



EXCELLENCE SERIES

addressable point detectors

The new EXCELLENCE SERIES point detectors are an intelligent range of next generation devices. They include a range of low profile, optical smoke and heat detectors with or without integrated short circuit isolation. With an extended range of mounting accessories, they are fit for any commercial fire application.

Offered in signal white (RAL 9003) or graphite black (RAL 9011), all detectors with optical detection feature Kidde Commercial's dual optical chamber that provides advanced smoke discrimination technology. With both forward and backward light scattering using two optical wavelengths, they ensure the proper elimination of nuisance alarms from steam, dust and other non-fire phenomena.

The temperature devices in the range offer both EN54 Class A and B support, with selectable static or rate-of-rise temperature algorithms.

Compatible with Kidde Commercial's new fire control panel range for EUA, these devices support the new Excellence addressable communication protocol. With the Excellence protocol's support for legacy Aritech fire devices, the new control units can be combined with legacy Aritech 2000 series devices on a new Excellence loop, making system expansion or upgrading possible with minimum resource investment.




Features:

- Optional integrated short circuit isolation means that no additional short circuit isolator needs to be installed for additional device loop protection, saving installation time and cost.
- Multiple selectable detector profiles, all with EN54 certification, allows full flexibility for most commercial fire applications.
- Surface or recess mount options offer full flexibility for all installation types.
- Various mounting options facilitate easy installation.
- Easy to use rotary dial addressing means straight forward device addressing with reduced mistakes, saving fault-finding time and cost.
- A tri-colour status indicator offers clear local device status indication, making the real time status clear during normal operation, fault or fire events.
- A tri-colour status indicator offers clear 360° visibility, making detector alignment for LED visibility unnecessary and saving additional installation time and cost.
- A loop through feature of the detector base means easy first-fix installation and pre-commissioning cable testing prior to expensive equipment arriving on site, making installation quicker and preventing damage to equipment during building construction.
- Address tags are supplied with the base for easy device labelling.
- "Know one, know them all" design for easy adoption, installation and understanding saving time and installation effort.
- A low maintenance optical chamber prohibits dust increase, minimising cleaning.
- Supports industry standard installation and maintenance tools, avoiding any additional equipment investment.
- Eco friendly packaging ensures a cleaner environment.

EXCELLENCE SERIES point detectors ensure the proper elimination of nuisance alarms from steam, dust and other non-fire phenomena.

Isolated EXCELLENCE SERIES Point Detectors




The EXCELLENCE SERIES point detectors offer a unified, common look for all devices in the portfolio. The device colours are specifically chosen to meet the needs of modern buildings, fading into the background without affecting building aesthetics. The tri-colour device LEDs offer continuous, clear local indication of operational status, not only during normal operation, but also adding additional information during testing and maintenance, to reduce interaction and shorten maintenance times.

	Description	Application
	<p>Low profile dual optical</p> <p>Available in a Signal White low gloss, easy clean finish</p> <p>Supplied with:</p> <ul style="list-style-type: none"> Dust cover 	<p>Features:</p> <ul style="list-style-type: none"> Integrated short circuit isolation Short circuit supervision on remote indicator output Nuisance alarm discrimination Tri-colour status indicator 360° alarm visibility 3 Selectable, EN54 certified optical sensitivity settings Event logging in the device Compatibility with multiple installation accessories <p>Note: This device can co-exist with legacy Aritech 2000 series devices on an EXCELLENCE SERIES fire panel loop</p>
	<p>Dual optical & heat</p> <p>Available in a Signal White or Graphite Black low gloss, easy clean finish</p> <p>Supplied with:</p> <ul style="list-style-type: none"> Dust cover 	<p>Features:</p> <ul style="list-style-type: none"> Integrated short circuit isolation Short circuit supervision on remote indicator output Nuisance alarm discrimination Tri-colour status indicator 360° alarm visibility 3 Selectable, EN54 certified optical sensitivity settings 2 Selectable, EN54 certified heat sensitivity settings Event logging in the device Compatibility with multiple installation accessories <p>Note: This device can co-exist with legacy Aritech 2000 series devices on an EXCELLENCE SERIES fire panel loop</p>
	<p>Heat</p> <p>Available in a Signal White low gloss, easy clean finish</p> <p>Supplied with:</p> <ul style="list-style-type: none"> Dust cover 	<p>Features:</p> <ul style="list-style-type: none"> Integrated short circuit isolation Short circuit supervision on remote indicator output Tri-colour status indicator 360° alarm visibility 4 Selectable, EN54 certified heat sensitivity settings Event logging in the device Compatibility with multiple installation accessories <p>Note: This device can co-exist with legacy Aritech 2000 series devices on an EXCELLENCE SERIES fire panel loop</p>

Standard EXCELLENCE SERIES Point Detectors

The EXCELLENCE SERIES input/output control range is suitable for surface mounting installations using industry standard DIN rails, so simple screw fix wall mount boxes. Its tri-colour device LEDs offer continuous, clear local indication of its operational status, whilst the individual tri-colour input- and output LEDs can be activated on demand to verify the individual input and output status of every IO channel. The clean face of the IO units is further enhanced by front access test facilities that allow individual or groups of inputs and/or outputs to be tested without control panel interaction.




For outdoor applications, only a suitable IP housing is needed. All other functionality remains completely identical using the same IO device.

	Description	Application
	<p>Low profile dual optical</p> <p>Available in a Signal White low gloss, easy clean finish</p> <p>Supplied with:</p> <ul style="list-style-type: none"> Dust cover 	<p>Features:</p> <ul style="list-style-type: none"> Short circuit supervision on remote indicator output Nuisance alarm discrimination Tri-colour status indicator 360° alarm visibility 3 Selectable, EN54 certified optical sensitivity settings Event logging in the device Compatibility with multiple installation accessories <p>Note: This device can co-exist with legacy Aritech 2000 series devices on an EXCELLENCE SERIES fire panel loop</p>
	<p>Dual optical & heat</p> <p>Available in a Signal White or Graphite Black low gloss, easy clean finish</p> <p>Supplied with:</p> <ul style="list-style-type: none"> Dust cover 	<p>Features:</p> <ul style="list-style-type: none"> Short circuit supervision on remote indicator output Nuisance alarm, steam and dust discrimination Tri-colour status indicator 360° alarm visibility 3 Selectable, EN54 certified optical sensitivity settings 2 Selectable, EN54 certified heat sensitivity settings Event logging in the device Compatibility with multiple installation accessories <p>Note: This device can co-exist with legacy Aritech 2000 series devices on an EXCELLENCE SERIES fire panel loop</p>
	<p>Heat</p> <p>Available in a Signal White low gloss, easy clean finish</p> <p>Supplied with:</p> <ul style="list-style-type: none"> Dust cover 	<p>Features:</p> <ul style="list-style-type: none"> Short circuit supervision on remote indicator output Tri-colour status indicator 360° alarm visibility 4 Selectable, EN54 certified heat sensitivity settings Event logging in the device Compatibility with multiple installation accessories <p>Note: This device can co-exist with legacy Aritech 2000 series devices on an EXCELLENCE SERIES fire panel loop</p>


Detector Accessories

You can ensure that every detector is optimally installed, completely compliant with regulations and matching the requirement. Every accessory is carefully designed to ensure maximum time efficiency during installation and matches aesthetics with every detector, not only in colour and texture but also in other design aspects. Matching accessories not only ensures safety, but also ensures that the aesthetics of the protected area is not negatively affected.

Every EXCELLENCE SERIES accessory is functionally approved with the detector.

	Description	Application
	<p>Standard base (white and black)</p> <p>Available in a Signal White or Graphite Black low gloss, easy clean finish</p> <p>Compatible with all EXCELLENCE SERIES point detectors</p> <p>Supplied with:</p> <ul style="list-style-type: none"> • Captive cable screws and clamp • Address tag 	<p>Features:</p> <ul style="list-style-type: none"> • Dual address tag locations avoids base alignment to make tags visible • A selectable detector locking mechanism protects against unauthorised removal • Large rear cable entry with ample space for cables • Side cable entry and exit possibilities without additional fixture requirements • Flexible installation fixture with first fix screw features reduce installation time and effort • Colour-coded screen terminal for easy identification • Clearly visible terminal markings avoids incorrect cabling • Cable cut-length template in the base • Robust, wire ready wiring terminals with captive clamping washers for quick installation • Isolation bridges included allows loop measurements without devices installed • Detector insert location and locked position indications facilitates visual cueing of the device, saving time and adding surety • Simple twist-and-lock detector action with clip action audible feedback ensures the detector is properly installed • Dual contact points on every connector for reliable detector/base contact
	<p>Remote indicator</p> <p>Available in a White with high gloss, easy clean finish</p> <p>Compatible with all EXCELLENCE SERIES point detectors</p> <p>Supplied with:</p> <ul style="list-style-type: none"> • Back box 	<p>Features:</p> <ul style="list-style-type: none"> • Modern and elegant design • Plastic casing with ruby red polycarbonate “spyhole” reflector • High luminosity, large angle of visibility, lit up on four sides • Two-wire connection • Wide power supply range makes it suitable for many applications
	<p>Scorpion IO</p> <p>For those inaccessible places</p> <p>Compatible with all EXCELLENCE SERIES point optical detector types</p> <p>Supplied with:</p> <ul style="list-style-type: none"> • Mounting plate • Access point IO controller 	<p>Features:</p> <ul style="list-style-type: none"> • Universal design • Permanently installation alongside the detector during installation • Can be retro fitted to an existing installation • Ideal for lift shafts, ceiling voids, secure areas • Generates “smoke” on demand and clears the detector afterward, enabling rapid reset and reducing re-alarms • The access point controller is mounted in a safe and easily accessible location, next to an Excellence 2 IO controller • Testing can be initiated automatically from the Excellence CIE (control panel)




Detector Accessories

	Description	Application
	<p>Vacuum accessory For detector cleaning and routine maintenance</p>	<p>Features:</p> <ul style="list-style-type: none"> • Conventional vacuum cleaner attachment • Connects to a 1.5-inch (3.8 cm) suction hose/extension tube • Removes loose dust and debris by creating a high velocity vortex scrubbing action around the detector





Base Accessories

Ensures that every detector is installed optimally, and is completely compliant with the regulations. Every accessory is carefully designed to ensure minimum installation time, and matches the aesthetics of the detector, not only in colour and texture but also in all design aspects. This not only ensures safety, but also ensures that the aesthetics of the protected area are not negatively affected.

Every EXCELLENCE SERIES accessory is functionally approved with the detector.

	Description	Application
	<p>Surface mount Available in a Signal White low gloss, easy clean finish Supplied complete with:</p> <ul style="list-style-type: none"> • Base mounting screws 	<p>Features:</p> <ul style="list-style-type: none"> • Large rear cable entry with ample space for cables • Side conduit entry protects cables from damage • Drill location and breakout support for conduit entry on 4 sides • Support for uneven mounting surfaces with stress relief • Installation fixture with first fix screw option reduces installation time and effort • Dual address tag locations avoid misalignment so that tags are visible • Supports standard EXCELLENCE SERIES bases without feature loss, all base features remain usable • Supports access to the selectable detector locking mechanism that protects against unauthorised detector removal
	<p>Cap Available in a Signal White low gloss, easy clean finish</p>	<p>Features:</p> <ul style="list-style-type: none"> • Easy to install with simple “clip” mechanism • Saves rework time on installed, unused bases
	<p>Ingress Protection Available in a Signal White low gloss, easy clean finish Supplied complete with:</p> <ul style="list-style-type: none"> • Base mounting screws 	<p>Features:</p> <ul style="list-style-type: none"> • Dual rear cable entry with gland support and ample space for cables • Cable gland support to prevent water ingress on 4 sides • Drill location support for cable entry makes installation easy • External screw fixtures reduces risk of water ingress • Dual address tag locations avoid misalignmnet so that tags are visible • Supports access to the selectable detector locking mechanism that protects against unauthorised detector removal

Base Accessories

	Description	Application
	<p>Tag labels (self-adhesive)</p> <p>Available in 3 sizes:</p> <ul style="list-style-type: none"> • Small - for the base tag supplied with the base • Medium and larger labels for the optional tag accessory <p>Pre-printed or blank</p> <ul style="list-style-type: none"> • Pre-printed indicating loop number and address • Un-printed (blank) for customer specific identification 	<p>Features:</p> <ul style="list-style-type: none"> • Automatic adhesive for quick placement • Easy, aesthetic fit for clear address visibility • Pre-printed for no-fuss application, or unprinted for free format text
	<p>Recess mount</p> <p>Available in a Signal White low gloss, easy clean finish</p> <p>Supplied complete with:</p> <ul style="list-style-type: none"> • Base mounting screws 	<p>Features:</p> <ul style="list-style-type: none"> • Easy to install with standard tile clips avoids any drilling • Enhances the detector low profile for aesthetically sensitive installations • Integrated trim skirt covers any uneven hole sides • Dual address tag locations avoid misalignment so that tags are visible
	<p>Trim skirt</p> <p>Available in a Signal White low gloss, easy clean finish</p>	<p>Features:</p> <ul style="list-style-type: none"> • Covers marks on the ceiling when new detectors are installed in old detector locations eliminating the need for ceiling touchups • Matches the colour and design of the EXCELLENCE SERIES detector base, allowing for an aesthetic, integrated look • Dual address tag locations avoid misalignment so that tags are visible • Detector alignment and insertion guides remain visible and are extended • Keyhole alignment screws similar to the standard base avoids rework on standard installation holes
	<p>Address tag (large)</p> <p>Available in a Signal White low gloss, easy clean finish</p>	<p>Features:</p> <ul style="list-style-type: none"> • Ample surface space for product identification label • Provides a suitable platform for customised labelling requirements • The designed break-line allows for the tag to be reduced in size for aesthetic purposes • Fits into any of the two insert location positions on the base or base accessory • Locks securely in place on the base

