

# Opal™ Series Devices

Product News

New From February 2010



**WFP and Notifier by Honeywell are very proud to announce the launch of our new Opal range of sensors incorporating a new digital protocol.**

#### **Platform for the future**

The new advanced Opal protocol provides a platform for a range of future developments allowing Notifier to extend the capabilities and flexibility of our systems in order to continue to meet the expectations of our customers.

#### **More detailed diagnostics**

The Opal protocol allows us to provide more detailed diagnostics to speed fault finding during installation and commissioning. Including the ability to pinpoint the position of wiring faults using the mapping facilities enabled by isolation per device.

#### **More efficient communication**

Digital protocol has a more efficient communication method that allows more power to be delivered to the loop. This will allow us to expand the address range to 318 devices per loop in the future from our current 198 device capability.

#### **Cutting edge design**

The Opal range of sensors introduces a new design concept ensuring the range complements the aesthetics of modern buildings. This new concept delivers a shallower profile to the multi-criteria units and the clean white appearance ensures devices remain unobtrusive.

#### **Proven technology**

It is paramount to us that the Opal devices provide excellent detection so, in addition to a wide range of product approvals, we have carried out extensive testing. 50,000 devices are already providing flawless protection to sites across Europe, including our own facilities.

#### **“Future-Proof” Backward compatibility**

As a provider of managed protocol systems we have maintained support for our customers by making the new devices fully backward compatible with existing sites - even fitting the devices into the same sensor bases. Our commitment to backward compatibility has led us to ensure that the old and new devices may be mixed on the same system - the systems are even capable of mixing existing (CLIP) and Opal protocols on the same loop.

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## **WFP Fire and Security**

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Tel: 0845 481 0307 • Fax: 0845 481 0309 • Online: [www.w-fp.co.uk](http://www.w-fp.co.uk)

Details of how improved panel software delivers the enhanced capabilities of the Opal range of sensors is available in technical bulletins for the ID3000 and ID50/60 panels (TECH168 and TECH169 respectively).

### Modules

Our range of complementary loop devices, such as call points, audio visual devices and interface modules have been adapted to use the Opal protocol. The part numbers for these devices remain unchanged as the appearance of the devices themselves has not changed. In all cases the devices may be used either on Opal systems and legacy (CLIP) systems.

### Spares for Installed Systems

Ivory devices are available for use as replacements where required, the current models will be phased out over the next three months. During this period lead times will be adjusted as the phase-out progresses. Existing sensors in white are obsolete with immediate effect, Opal devices may be used as spares. Isolator bases in ivory will continue to be available, although they are not required for Opal systems.

### Phase Out of Previous Series, Including Specific Devices

The Opal range of devices includes a one-for-one replacement for existing devices in most cases. This means the plans for phasing out the previous series will have minimal impact on our customers.

SMART4 devices are to be replaced by new Opal compatible devices. The VIEW detectors will continue to be available, including a white version, they will continue to use the advanced cooperation algorithms using the CLIP protocol.

The tables below show details of the full range of Opal series sensors and how they can be used as direct replacements for the previous series. Spares for existing installations are also detailed, including pricing and delivery schedules.

For further information visit the web site at [www.w-fp.co.uk](http://www.w-fp.co.uk)

## Product Range

## White Opal Detectors

| Description  | Isolator | Part Number   |
|--|----------|---------------|
| Opal Optical smoke detector  | X        | NFX-OPT       |
|  | ✓        | NFXI-OPT      |
| Opal Optical smoke & heat detector   | X        | NFX-SMT2      |
|  | ✓        | NFXI-SMT2     |
| Opal Optical smoke & heat detector with infra-red flame sensing                              | X        | NFX-SMT3      |
|  | ✓        | NFXI-SMT3     |
| Opal compatible Optical smoke & heat detector with infra-red flame & carbon monoxide sensing | X        | IRX-751CTEM-W |
| Opal Heat detector, fixed 58°C   | X        | NFX-TFIX58    |
|  | ✓        | NFXI-TFIX58   |
| Opal Heat detector (A1R), rate of rise + fixed 58°C  | X        | NFX-TDIFF     |
|  | ✓        | NFXI-TDIFF    |
| Opal Heat detector, fixed 78°C   | X        | NFX-TFIX78    |
|  | ✓        | NFXI-TFIX78   |
| VIEW high sensitivity, analogue addressable, laser smoke sensor                              | X        | FSL-751E-W    |

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## Product Range

## Spares for existing installations - Ivory Opal Detectors

| Description   | Isolator | Part Number    | Lead time |
|---|----------|----------------|-----------|
| Opal Optical smoke detector   | ✗        | NFX-OPT-IV     | 48 Hour   |
| Opal Optical smoke & heat detector  | ✗        | NFX-SMT2-IV    | 48 Hour   |
| Opal Optical smoke & heat detector with infra-red flame sensing                   | ✗        | NFX-SMT3-IV    | 48 Hour   |
| Opal Optical smoke & heat detector with infra-red flame & carbon monoxide sensing | ✗        | IRX-751CTEM-IV | TBA       |
| Opal Heat detector, fixed 58°C  | ✗        | NFX-TFIX58-IV  | 48 Hour   |
| Opal Heat detector (A1R), rate of rise + fixed 58°C                               | ✗        | NFX-TDIFF-IV   | 48 Hour   |
| Opal Heat detector, fixed 78°C  | ✗        | NFX-TFIX78-IV  | 48 Hour   |

## Product Range

## Spares for existing installations - Equivalent Device Replacements

| Description  | CLIP Part Number | Opal Part Number                      |
|--|------------------|---------------------------------------|
| Optical smoke detector   | SDX-751EM        | NFX-OPT-IV                            |
| Optical smoke & heat detector (OptiPlex)   | SDX-751TEM       | NFX-SMT2-IV                           |
| Optical smoke & heat detector with infra-red (SMART3)  | IRX-751TEM       | NFX-SMT3-IV                           |
| Optical smoke & heat detector with infra-red flame & carbon monoxide sensing (SMART <sup>4</sup> ) | IRX-751CTEM      | IRX-751CTEM-IV                        |
| Heat detector, fixed 58°C  | FDX-551EM        | NFX-TFIX58-IV                         |
| Heat detector (A1R), rate of rise + fixed 58°C   | FDX-551REM       | NFX-TDIFF-IV                          |
| Heat detector, fixed 78°C  | FDX-551HTEM      | NFX-TFIX78-IV                         |
| Detector base - standard   | B501             | B501AP-IV                             |
| Detector base - with isolator (not required for Opal sensors)                                      | B524IEFT-1       | Current part<br>remains in production |

## Product Range

## Ivory CLIP Detector Obsolescence

| Description   | Lead time                                | Price change |
|---------------|--|--------------|
| February 2010 | 2 Days                                   | no change    |
| March 2010    | 5 Days                                   | no change    |
| April 2010    | 2 Weeks                                  | no change    |
| May 2010      | 4 Weeks                                  | 10% increase |
| June 2010     | Obsolete - existing<br>stock use-up only |              |

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## Opal Frequently Asked Questions

### Do the detectors fit the same bases?

Yes - all detectors fit the B501AP base. All detectors fit the addressable base audiovisual devices.

### How long will the current range of detectors continue to be available?

The table shows the extending lead times over the next three months as the previous device range is phased out.

### Can I mix old and new detectors on the same panel?

- Yes - the ID3000 panel will be able to support loops with different protocols.
- The ID50/60 will support either protocol.
- The ID2000 will not support the Opal protocol features so the devices will provide only the CLIP feature set.

### If I have a mixed loop and add a CLIP device later will the loop still give me more power?

The loop can only give more power using the Opal protocol so make sure only Opal devices are added.

### What if there is no Opal device, of the type I need, available?

If you don't have a choice then adding a loop booster will give you the power you need.

### Can I mix old and new detectors on the same loop?

Yes - the panel will communicate with the Opal devices using the Opal digital protocol and the CLIP devices using the backward compatible protocol. If there are more than ten CLIP addresses the loop will need to be learnt as a fully CLIP loop. (see technical bulletins TECH168 and TECH169 for further details)

### Why can't I buy the Opal detectors in Ivory with isolators?

The Opal devices in ivory are intended as replacement or additional devices for installed systems. These legacy systems will not have the individual isolators per device that the full Opal systems allow, hence the isolator versions will not be required.

### If I have an addressable base sounder do I need a detector with isolator?

No - if a device with isolator is fitted it will function correctly but the device isolator will not be in circuit.

### I cannot see the base beacon only part in the Opal range, what if I'm using PAVA and need a base mount beacon?

The new digital protocol allows separate control of the sounder and beacon so there is no longer any need to carry separate parts.

### I do not see black detectors in the range, will you continue to support these sites and to supply black detectors for new sites where required?

Yes - A range of black detectors will be available shortly, however, due to the specialist nature of the sites where black detectors are required, not all device types will be supported.

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