

**OT<sup>blue</sup>**

**ESSER**  
by Honeywell



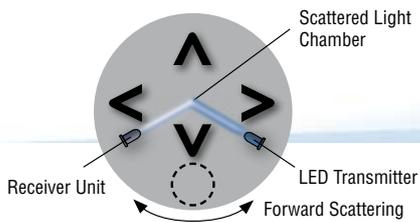
**See fire protection in a new light:  
The IQ8Quad OT<sup>blue</sup> fire detector**

## Discover a new detection principle

Every fire protection system must be exactly matched to the individual and complex requirements on site. It is the detector's responsibility to quickly recognize a fire with a consistently high level of sensitivity. To protect human lives, technical installations and other valuables – and to avoid false alarms.

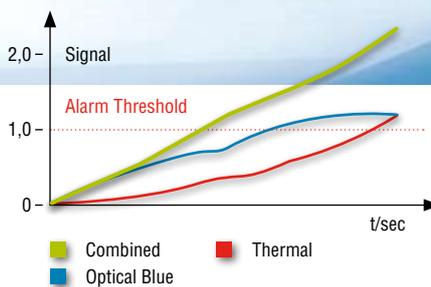
With this in mind, we would like to present our IQ8Quad OT<sup>blue</sup> detector. It works with a new detection principle in order to prevent disasters in cases of high-energy fires.

### Optical principle with blue light



While the conventional optical detector uses infrared light, the IQ8Quad OT<sup>blue</sup> detector uses a blue LED for detection. The shorter optical wavelength facilitates the recognition of even the smallest aerosol particles

### Response characteristics of the IQ8Quad OT<sup>blue</sup> detector for an open cellulosic fire with wood (TF1)



### IQ8Quad OT<sup>blue</sup> features

#### Technical data

- Operating voltage: 9-42 V DC
- Quiescent current: approx. 50  $\mu$ A at 19 V DC
- Application temperature: -20 °C to +50 °C
- Detection height: max. 12 m (dependent of usage and surrounding conditions, suitable up to 16 m)
- Detection area: max. 110 m<sup>2</sup>
- VdS Approval No.: G 205071
- Detector specification: EN 54-7/5 A2

**Part No. 802375**

## Blue light for special areas of application

The IQ8Quad OT<sup>blue</sup> has a wide range of usage because of its high level of sensitivity to even the finest particles. It can recognize liquid fires, open wood fires, invisible aerosols which lie below the detection range of normal optical detectors – even particles which up to now were recognized only by ionization smoke detectors.

The IQ8Quad OT<sup>blue</sup> is suitable for application areas in which high-energy fires can occur through the storage of flammable materials and thus the alarm must be activated instantly. Unlike the ionization smoke detector, the OT<sup>blue</sup> functions without using a radioactive source.



Areas of application for the IQ8Quad OT<sup>blue</sup> are for example: Oil refineries, power stations, automobile workshops, computer rooms or laboratories.

**Novar GmbH a Honeywell Company**

Dieselstraße 2

41469 Neuss, Germany

Phone: +49 2137 17-0 (Administration)

Phone: +49 2137 17-600 (Customer Service Center)

Fax: +49 2137 17-286

Internet: [www.esser-systems.com](http://www.esser-systems.com)

E-mail: [info@esser-systems.com](mailto:info@esser-systems.com)

**Honeywell Life Safety Austria GmbH**

Lemböckgasse 49

1230 Vienna, Austria

Phone: +43 1 600 6030

Fax: +43 1 600 6030-900

Internet: [www.hls-austria.at](http://www.hls-austria.at)

E-mail: [hls-austria@honeywell.com](mailto:hls-austria@honeywell.com)

May 2010

Subject to change without notice

©2010 Honeywell International Inc.

**ESSER**  
by Honeywell