

# An EDS Completely new range of **Beam Smoke Detectors**, EN54-12 CPD and VDS certified



## Quality, reliability and simplicity

EDS used its 30 years experience in the field of optical technology smoke detection to design a completely new range of advanced Optical Beam Smoke Detectors. The development of our products has been always focused on the quality, reliability and on the easyness of use since when we introduced this type of technology, first of all, back in 1978.

This approach, that gave us great success in terms of sales and customer satisfaction, has been kept unchanged for these new products adding further enhancements.

The main new features include:

- The alignment procedure has been simplified introducing the optical indication of the signal level by means of a couple of high intensity leds. So now it's possible to align the detector without using any multimeter.
- Maintenance has been minimized introducing the signal autoregulation that compensates possible obscuration of the front of the detector by dust and dirt settlements. So it is no more necessary to manually re-adjust the signal level and cleaning of the front window should be done less frequently.
- The new optical signal digital codification completely eliminates any possible problem caused by pulsed light sources in the protected environment (ex. : flashers of forklifts)
- A second detection circuit, that evaluates the variation of the optical beam by the heat generated by the delveloping of a fire (turbulence circuit), has been included as a standard feature. This allows to have a double alarm output and a quicker detection.
- The detectors are equipped with 3 relay outputs for alarm, turbulence (heat) and fault
- The alarm delay (10 sec.) can be raised if needed by the customer
- 4 selectable sensitivity levels (rotative switch) - 40%-50%-60%-70% of obscuration

Other features already included in the previous models :

- Large range of suitable reflectors to be selected in relation with the lenght of the optical path and the aesthetic needs of the environment to protect
- Remote visualization of the analog output signal level by means of an optional led bar module
- Connection to any type of Control Unit

4 available models :

- RK90R** - reflection (Tx/Rx+reflector), optical path 50m, IP50
- RK100R** - reflection (Tx/Rx+reflector), optical path 100m, IP50
- RK100B** - barrier (Tx+Rx), optical path 120m, IP65
- RK200B** - barrier (Tx+Rx), optical path 200m, IP65

Explosion proof models will be available soon.



**RK90R**



**RK100R**



**RK100B-RK200B**