

Protect•ir X3301



New Standard in Optical Flame Detection

Protect•ir X3301



New Features

- Dedicated EExd, EExe wiring compartment
- More outputs
 - 2 Alarm relays
 - 1 Fault relay
 - Quantum Premier
 - Pulse & relay
 - Modbus / RS485
 - Data logger
 - Addressable modules installed



Modular Design



Protect•ir X3301 & Q9033B Mount



Protect•ir X3301 New Outputs

- Alarm, auxiliary alarm, and fault relays
- Quantum Premier communication compatible
- Pulse / relay output for controller base upgrades
- Modbus RS485 output for detector programming and communications
- Data logging with real time clock and Inspector interface capability
- Internal space for mounting 2 addressable modules

Protect•ir X3301 New Features

- Temperature compensated heated optics
 - Heater will boost heat on cold startup and when the detector temperature is below zero
- Data logger will record the detectors operating temperature
 - Record of over-temperature events in turbine enclosures
- Quantum Premier and RS485 will down load manufactured information and stored information
 - Ease of record keeping and confidence in new applications

Protect•ir X3301 Pulse output

- 1 • Pulse output with relay outputs
- Easy retrofit into controller based systems
- Option to use relays for future system configurations
- 3 • Simple communication board swap out for Quantum Premier upgrade

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Protect•ir X3301 Optical Integrity

- New sensor and Oi ring orientation
- Built in weather visor for improved water resistance
- Optical integrity ring modified to keep water off the check surfaces using a plastic metal bonded design
- Optical integrity consecutive check time adjustable for improved water and rain resistance
- Automatic optical integrity test monitors for both loss of, and increased sensitivity in each sensor
- Manual optical integrity test verified to perform a calibrated test of the detector *and* system
- **NO TEST LAMP REQUIRED!!!**

New Vibration Free Mount

- Q9033B Mounting swivel with angle indicators



Weather Visor Flame Platform



Protect•ir X3301

- New air shield for adverse environments



Protect•ir Laser Aimer Q1201C



Protect•ir X3301 Replacement Module

