RAINBOW,
state of the art smoke detector

IntegraBus

Smart up your coach

IntegraBus

www.integrabus.eu

THE OSDL smoke detector

- Detecting the light reflection of different colors
- On behalf a complex function analysis different particles in the air can be detected
  - Dust,
  - Smoke,
  - Vapor
- The light emitter and the detector built into a closd housing
- Detectors are now in rugged, heavy industrial form available
- The detection method is already widely used for earth observation from the space

Smart up your coach

IntegraBus

www.integrabus.eu

The focus this innovation

- Using industrial grade components
- Creating an IP 65/67 capable design
- Rising the detection capability:
  - Sensitivity
  - Selectivity
  - Speed
  - Distance, environment
- Self-diagnostic function
- Unhindered functionality in any position
- Stay cost competitive with the current industry leading products

Smart up your coach

IntegraBus

www.integrabus.eu

The Result

- Using industrial grade components
  - ???
- Rising the detection capability:
  - Sensitivity 0,8% and more
  - Selectivity Vapor and dust will be identified
  - Speed in 2 sec the smoke (over 0,8%) will be detected
  - Distance 0-30 cm
    - Potential 0-1000 cm
  - Environment -20 - +85 C
    - On request -20 - +150 C
  - Stay cost competitive with the current industry leading products YES

Smart up your coach

IntegraBus

www.integrabus.eu

The Result

- Creating an IP 65/67 capable design
  - The sensor units is completely closed
  - The sensing works trough a glass surface,
    - Sealed
    - Easy cleanable
- Self-diagnostic function woks
  - At each starts
  - According the preset time interval
  - The suggested interval is 2 hours
- Unhindered functionality in any position
  - Vertical and horizontal
  - Horizontal, but from bottom to top
  - In any requested angle on behalf a fixture

Smart up your coach

IntegraBus

www.integrabus.eu

Availability

- 2020 Q1 the product can goes to seriell production
- Test units in restricted quantity are already available
  - (on demand up to 5 pcs)

Roadmap to launch

- Developing communication solutions
  - ISM band radio, CAN, Relay's output (failsafe)
  - LORA communication
  - Integration to FDU and Fireless systems
- EN54-07 approval
- 10R05 approval
- 118 R approval
- 107 R approval
- FM 3210 approval

Smart up your coach

IntegraBus

www.integrabus.eu

RAINBOW,
Less risk, cost, work & smoke

Thank you for your Attention

IntegraBus

Smart up your coach

IntegraBus

www.integrabus.eu