



DECU4 Alarm and Extinguishing Panel

Fire fighting at the source with DECU4

- Ultra compact
- Easy operation
- CE & IP65
- Remote activation
- Various detectors possible (e.g. smoke, heat, LHD)
- Combines with DSPA Aerosol Generators
- Improved self monitoring
- Complying with EN12094
- BRL K23003/01 Certified: Complies with EN 15276-2, ISO 15779 and NFPA 2010



What is new?

- Distinctive LEDs for 1st & 2nd Alarm Zone
- Dedicated LED for Hold release active
- Monitored signaling output
- Current limiter integrated on extinguishing output for optimal integration with the SCR interface.
- Undervoltage protection
- Integrated Back-up Battery Recharge Loop

DECU 4 Alarm and Extinguishing panel

The DECU4 is a powerful alarm and extinguishing panel, specifically designed for the fire protection of objects and single spaces like electrical cabinets, engine compartments, engine rooms, CNC machines and all other rooms and objects which meets the extinguishing capacity of the DECU4.

The DECU4 (Detection Extinguishing Control Unit) is a very compact: 80x120x57mm (HxWxD) panel, it can thereby protect sites, where normally no conventional fire and extinguishing panel fits.

After a fire/smoke alarm, detected by a standard EN54 approved automatic detector, the DECU4 activates the fire extinguishing system.

The ultra-compact DECU4 is the ideal panel to combine with the DSPA extinguishing system.

CE & IP65

The DECU4 meets the strict European regulations and therefore carries the CE mark. The panel is dust and waterproof and IP65 classified.

Easy operation

The DECU4 is a fire alarm and extinguishing panel with all the essential functions. The push buttons on the panel front have the following functions:

- activate extinguishing (release: press two buttons simultaneously to start quenching)
- delay / temporary hold activation
- alarm off (mute)
- reset fire alarm and extinguishing panel

Organized

The LED indicators on the panel front of the DECU4 provide the user the following information:

- power on
- fire alarm zone 1
- fire alarm zone 2
- detection fault zone
- extinguish release
- hold function active
- extinguish fault

Alarm sounders

The DECU4 has an internal alarm buzzer and an output to initiate additional external alarm sounders up to 2 Amps.

Remote activation

The activation of the fire extinguishing system is achieved either automatically, initiated by a detector, or by the control buttons on the front of the DECU4. Remote activation is possible by using an external yellow manual call point. In addition, by use of an external fire extinguishing (delay) button, extinguishing can be externally delayed.

Detection

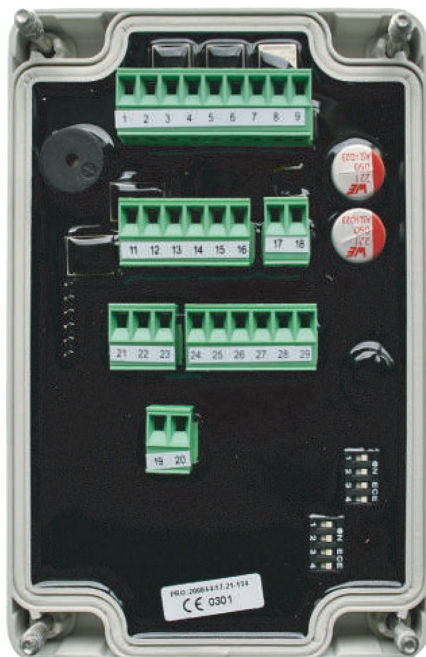
The automatic fire/smoke detectors of DSPA, or any conventional type with an alarm resistor of 470Ω or 680Ω, can be connected to the DECU4. The optical, optical-thermal and thermal fire/smoke detectors from these series are particularly suitable for combined use with the DECU4.

Outputs

The DECU4 has several outputs for example, fire, fault and extinguishing activated. This panel has also Voltage Free Contacts (VFC) for shut down ventilation and/or stop fuel supply.



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Key features

- Able to set to manual, single stage or double stage detection, alarm and extinguishing.
- Separate outputs for Fire, Fault and VFC.
- Two loop for linear heat or spot detection with fault monitoring.
- The device works on input voltages ranging from 11 to 32 Volt DC.
- Low power mode is enabled by switching off the ignition.
- Double extinguish release buttons to prevent unwanted releases.
- The unit is water proof IP65, reverse polarity, transient and EMC protected.
- Watchdog timer for additional safety.
- Additional functionality separated external hold-off functions.
- Additional functionality separated external release extinguishing functions.
- Improved fault monitoring and fault identifying.
- Additional option to override the release extinguishing delay after manual release.

DECU4 and DSPA Aerosol, the ideal combination.

The DECU4 complies to international standards like NFPA 2010, EN 15276-2 and ISO 15779 and works together with up to 15 DSPA aerosol generators. This makes the combination DECU4 and DSPA aerosols an unique and compact fire detection and extinguishing system.

They are installed in high risk areas where there is little space available.

Hence, DSPA Aerosol extinguishes fires directly at the source.

