



DECU3 ALARM & EXTINGUISHING PANEL

- Fire fighting at the source
- Ultra compact
- Easy operation
- In function designed to EN12094
- Compliant with CE standards
- IP65
- Remote activation
- Various smoke detectors possible
- Combines with Stat-X
- Improved monitored extinguish
- BRL-K23003/01 approved



The DECU 3 fire & extinguishing panel

The DECU3 is a powerful fire and extinguishing panel, specifically designed for the fire protection of objects and small spaces like CNC machines, engine compartments, engine rooms and electrical cabinets.

Ultra compact

The DECU3 (Detection Extinguishing Control Unit) is a very compact: 80x120x57mm (HxWxD) panel, it can thereby protect sites, where normally no fire and extinguishing panel fits. After a fire/smoke alarm, detected by a standard EN54 approved automatic smoke detector, the DECU3 activates the fire extinguishing system. The ultra-compact DECU3 is the ideal panel to combine with an aerosol extinguishing system.

Easy operation

The DECU3 is a fire alarm and extinguishing panel with all essential functions. The push buttons on the panel front have the following functions:

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

Clear Notification

The LED indicators on the panel front of the DECU3 provide the user the following information:

- power on
- fire alarm
- detection fault
- extinguish release
- extinguish fault

Complies with CE and IP65

The DECU3 meets the strict European regulations and therefore carries the CE mark. The panel is dust and waterproof and IP65 classified.

Alarm sounders

The DECU3 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 DECU3. Remote activation is possible by using an external yellow manual call point. In addition, by use of an external fire hold button, extinguishing can be externally delayed.

Detection

The automatic fire/smoke detectors of the Orbis Apollo series can be connected to the DECU3. The optical, optical-thermal and thermal fire/smoke detectors from these series are particularly suitable for combined use with the DECU3.

Outputs

The DECU3 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.

DECU3 and extinguishing aerosol systems, the ideal combination

The DECU3 can activate various extinguishing agents such as Stat-X lightweight aerosol. The combination DECU3 and Stat-X form a unique and compact fire detection and extinguishing system. They are installed in high risk areas where there is little space available. Stat-X extinguishes fires directly at the source of the fire. This is what K & G calls "fire fighting at the source"



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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 waterproof 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.

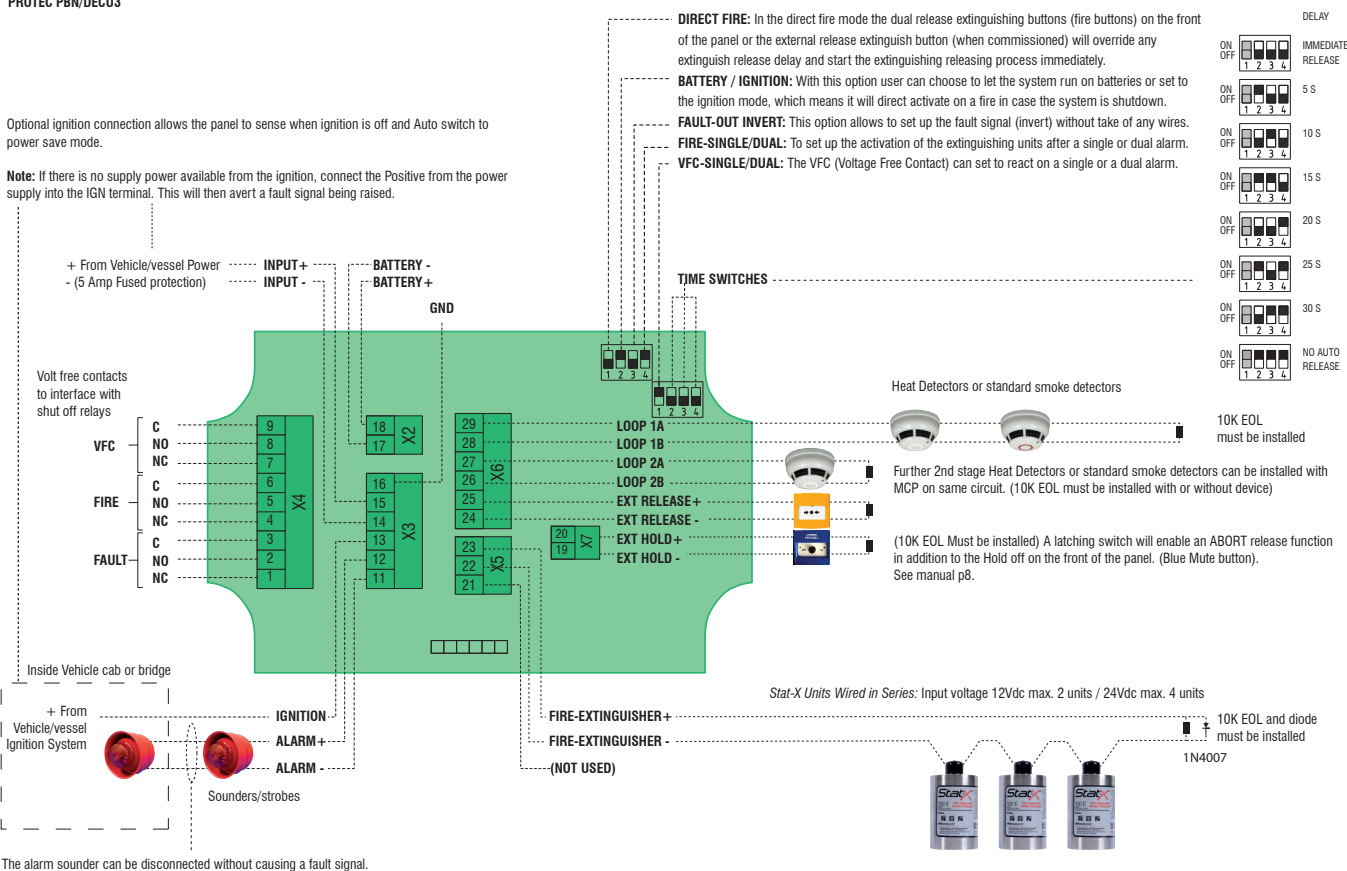
For more detailed technical information, ask for the DECU3 Tech. Manual Iss 2017



PROTEC PBN/DECU3

Optional ignition connection allows the panel to sense when ignition is off and Auto switch to power save mode.

Note: If there is no supply power available from the ignition, connect the Positive from the power supply into the IGN terminal. This will then avert a fault signal being raised.



The alarm sounder can be disconnected without causing a fault signal.