

# Datasheet

## Automatic Detection and Activation System

Model: DA1



### Description

The VID Fire-Kill Detection and Activation system is a reliable automatic detection and activation unit, consisting of a small electrical panel, a power supply, a 24 hour power back-up battery and a thermocouple with 5m extension cable.

The DA1 system is suitable for the protection of locations containing high risk electrical machines. The DA1 will be able to turn off the machinery power supply should a fire occur, and is also able of giving a relay switch signal which can be used to give alarm, as well as a 12VDC signal for activation of a valve.

### Application

The DA1 system can be used in the protection of almost every location in which early actuation is desirable e.g.:

- Processing Areas,
- Industrial machinery,
- Kitchens,
- Elderly homes,
- Attics, etc.

### Installation

The DA1 system is installed by:

1. Placing the thermocouple at the highest fire risk available or at the center of the room,
2. Placing the 12 VDC operated valve between the water-supply and the extinguishing system,



General Stats	
Dimensions	See above sketch.
Output signal	1 x NC/NO relay signal 1 x 12VDC signal for 12 sec.
Input signal	1 x 12VDC power supply 1 x Thermocouple type K
Electrical Panel	
Power supply	230 Vac @ 5 A
Back-up Power time	24 Hours
Related Products	
Name	Model
N-Pipe	
SUFA 1x el. Valve	

3. Placing the electrical panel near close to a 230 Vac power supply,
4. Connecting the thermocouple and the valve to the electrical panel,
5. Connecting, if desired, the switch to a relay, which is to be further connected to the power supply of the electrical device(s) or machine(s) (capacity: 5 A, 230 Vac)
6. Connecting the 230Vac to the panel and connecting the 12Vdc power supply from the operated valve to the electrical panel.

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Before the installation is complete, the system should be tested.

### **Service and maintenance**

The electrical panel is active and booted; when a red LED light is blinking with a one second interval.

The electrical panel should only be cleaned with a dry cloth, to prevent the inside of the panel to get wet.

The VID Fire-Kill Detection and Activation System is delivered with a standard five year warranty unless else is decided upon. The system should only be checked by VID Fire-Kill authorized service personnel. The back-up battery should be serviced at least once every 2 years. VID Fire-Kill can be contacted for further information on the service and maintenance of the DA1 system, including information about VID Fire-Kill authorized service personnel.

### **Caution**

The DA1 system contains electrical components and is therefore easily compromised and should be handled with care.

### **Contact**

For further information on DA1 system or similar products, please contact our sales department at [Sales@vidaps.dk](mailto:Sales@vidaps.dk)