**Tender specification**

**Product: Air-Blast System for Aspiration Smoke Detectors (ASD)**

**Manufacturer / type: Techconnet BlowOff 2.1 HD – 2.4 HD 24 V DC**

**Description:**

* Fully automatic air-blast module, compatible for integration into all commercial aspiration
smoke detectors (ASD) with 1 to 4 sensor pipes
* The air-blast system is installed between aspiration smoke detector and sensor pipe system. It cleans the sensor pipe network by means of compressed air. By controlled air-blast of the sensor pipes existing pollutions are removed, new deposits are prevented. Thus, BlowOff guarantees a continuous airflow to the ASD and prevents failures of the early fire detection.
* Control is carried out automatically by a PLC-timer and by a special program
* G1" valves guarantee unimpeded suction pressure.
* Simple modular integration and fitting in the ASD equipment with external mounting brackets, standard pipes and quick-coupler for the pressed air
* Particularly compact, powder-coated RITTAL - metal housing
* *Optional:* adjustable, built-in cabinet block heater with thermostat ensures safety even at the lowest outside temperatures
* Air-blast times are pre-programmed: 4 times per day (1:00 am, 7:00 am, 1:00 pm, 7:00 pm)

or individually programmable in freely selectable intervals

* Each sensor pipe can be cleaned unscheduled manually or by triggering from the ASD
* INPUT contact is available to deactivate air-blast in case of pre-alarm or alarm of the fire detection system
* OUTPUT contact is available to prior notification of an air-blast interval to the ASD equipment in order to prevent fault messages of the fire detection system during the air-blast process
* Free output contact via potential-free (normally open) contact for other signaling or switching purposes
* Already existing ASD equipment can also be equipped with 1 to 4 pipes BlowOff systems
* VdS test confirmations according to DIN EN 54-20

**Technical Data:**

**Casing:** Metal RITTAL IP 65 / RAL 7035/ door double lockable

**Electrical connections:** 24 V DC, from 0,75 mm² to 1,5 mm²

**Valves:** electrical / pneumatical G1 (FESTO)

**Compressed air connection**: quick-coupler DN 7.2, max. 7.0 bar, technicaly oil-free and dry

**Pipe connections:** easily accessible from outside / can be quickly installed

**Sensor pipe/suction pipe:** Adapter from a diameter of 28 to 25 mm

**Input contacts:** 1. Unscheduled air blast

 2. deactivate air blast

**Output contacts:** 1. Potential-free signalling contact(s) (to fire control panel / ASD)

 2. Contact for operating status

**Protection class:** SKI earthed

**Type of protection:** IP 65 standard version

 complete protection against contact with live parts,

 spray-water tight in all directions and dust-free

**Working area:** -20 °C bis +40 °C / optional: cabinet heating

**Mounting:** simple wall mounting with external brackets

 (4 wall drillings with M8 dowels)

**Dimensions:** W x H x D 700 x 500 x 250 in mm

**Installation only indoors, normal environmental conditions, no acidic ambient air.**