

## **Report on the appraisal of a JET fan controller for underground car parks**

Prepared by: TÜV SÜD Industrie Service GmbH  
Munich Branch  
Building Services Dept.

Test object: Control assemblies AES-ST3 and  
L-TG3-JET-Z-CONTROL of fan  
controllers for underground car  
parks

Client: HÖTE-ELECTRONIC-GMBH  
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Scope of order: Checking the documentation  
relating to the components for the  
construction of a JET controller for  
conformity with the regulations  
contained in Section 14 of the  
Bavarian Car Park Ordinance of  
30 November 1993

Document:  
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TG3-JET.doc

The document consists of  
6 pages  
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The test results refer exclusively to  
the test object examined.

- In the case of single-fan operation, it must be ensured that the other fan is automatically switched on as well.
- The failure of a fan must be visually indicated on the control cabinet and visually or acoustically indicated or signalled in the car park or at a constantly manned point.
- The possibility to activate the ventilation system via a CO system or a fire alarm system (smoke extraction) must be provided.
- In the 'smoke extraction' operating mode the motor protection devices must be disabled in accordance with the principles for the testing of technical systems and installations according to the Type Testing Regulations by experts recognised by the building authorities (Building Authority Expert Commission of the Conference of Ministers of Construction, Edition of December 2001, Part B, point 3.2).
- If the ventilation system consists of a supply and exhaust air system, both systems must be linked together in the same control system. It must be ensured that no overpressure is built up in the underground car park in the event of a system malfunction.
- The controller must be independent of the controllers and bus systems of the Building Management System.  
When linking, the mutual non-reactivity from and to higher-level systems of the management system must be ensured.

## 6 Summary

The components AES-ST3 and L-TG3-JET-Z-CONTROL described in the submitted documents are suitable for the construction of fan controllers for underground car parks that conform to the requirements contained in Section 14 of the Bavarian Car Park Ordinance of 30 November 1993 and in DIN VDE 0100-718.

The above-mentioned requirements for the technical equipment and functions applicable to the respective project are to be implemented by means of appropriate system planning and realised in the construction of the system.

Munich Branch  
Building Services Dept.

Expert

Expert responsible for  
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