**JET-24 V SHEV SYSTEMS FOR FIRE PREVENTION**

Optimally designed for various applications

**Product overview**

**Advantages of the 24 volt technology:**
- standby current controlled system
- visual and acoustical alarm and fault indicator
- priority circuit for all alarm-OPEN-commands
- economical control of actual state (OPEN/CLOSE/ventilation position)
- only one drive system for all opening positions

**Economical realization of all commands:**
- smoke detection/temperature detection
- alerting (internal/external)
- manual operation (alarm or ventilation)
- stepless ventilation
- wind and rain detector
- finishing time CLOSE-control
- connection to central building control (GLT/ZLT)

**Possible functions:**
- electromotive activated smoke exhaust opening
- smoke detector
- manually activated DIN SHEV switch
- external fire alarm system (BMA)
- external central building control (GLT/ZLT)
- ambient temperature control timer
- ventilation double switch
- wind and rain detector

![JET-light dome with 24 V telescope spindle drive](image)
Smoke and heat exhaust systems are safety systems!

For fire prevention the question of functional reliability, from the planning stage to the assembling and to the maintenance of the system, is of elementary importance. A specialist company certified by VdS can give the assurance to the architects and building owners that is so essential for this matter. The JET-maintenance service guarantees the optimal functional reliability nationwide. Please ask for the JET-maintenance contract!

The JET-system

smoke exhaust, ventilation and daylight in combination

---

<table>
<thead>
<tr>
<th>application possibilities of the JET-24 V SHEV motor opener</th>
<th>type of drive</th>
</tr>
</thead>
<tbody>
<tr>
<td>glass roof ventilation flap&lt;br&gt;roof-top window</td>
<td>Z, S, R, K</td>
</tr>
<tr>
<td>light dome</td>
<td>Z, S, R</td>
</tr>
<tr>
<td>continuous rooflight flap</td>
<td>Z, S, R</td>
</tr>
<tr>
<td>JET-ATMOSPHERE products</td>
<td>Z, S, R, K</td>
</tr>
<tr>
<td>JET-SMOKEJET® surface ventilator</td>
<td>Z, S, R</td>
</tr>
<tr>
<td>tilt/rotor window opening to the inside</td>
<td>K</td>
</tr>
<tr>
<td>pivoting window</td>
<td>K</td>
</tr>
<tr>
<td>tilt window below or above opening to the outside</td>
<td>K</td>
</tr>
</tbody>
</table>

Z: rack drive  <br>S: thrust spindle drive  <br>R: telescope spindle drive  <br>K: chain thrust drive
### THE JET-SYSTEM:
SMOKE EXHAUST, VENTILATION AND DAYLIGHT IN COMBINATION

<table>
<thead>
<tr>
<th>JET-24 V motor drives</th>
<th>JET-24 V SHEV centrals/switches/detectors/signaller</th>
</tr>
</thead>
<tbody>
<tr>
<td>thrust spindle drive</td>
<td>from the compact for 2 drives up to large slide-in central for max. 48 drives and more</td>
</tr>
<tr>
<td>standard drive for JET-light domes and JET-continuous rooflight flaps</td>
<td>backup power supply due to built-in accumulators minimum 72 hours</td>
</tr>
<tr>
<td>500 N lifting force</td>
<td></td>
</tr>
<tr>
<td>integrated load shedding</td>
<td></td>
</tr>
<tr>
<td>thermal protection</td>
<td></td>
</tr>
<tr>
<td>potential-free contact for the OPEN-indication</td>
<td></td>
</tr>
</tbody>
</table>

#### JET-motor opener with thrust spindle type M2

- **telescope spindle drive**
  - for use in situations with high aesthetical requirements
  - with integrated electronical load shedding
  - 600 N or 900 N lifting force

#### JET-telescope spindle drive type M8

- for use in situations with high aesthetical requirements
- with integrated electronical synchronous control
- for the synchronous run of 2 drives
- 900 N lifting force

#### JET-telescope spindle drive type M8-S

- for smaller dimensions
- JET-motor opener with rigid chain type M3

#### JET-ventilation rotary switch

- in case of wind and rain the system is closed automatically
- as soon as ventilation is possible again the system can be opened manually
- wind on-delay and wind/rain delayed release adjustable
- wind sensitivity adjustable
- rain sensor heated

#### JET-wind/rain detector

- building approval
- VdS-approval no.: G200017
- smoke detection by scattered light principle
- visual alarm display

#### JET-smoke detector

- flashlight for visual signalling after a SHEV release
- alarm siren: warning with 115 dB (A)
- also suitable for outdoor installation
- Piezo-buzzer: warning with 90 dB (A)
- fire bell: warning with 86 dB (A)

#### JET-motor opener KM13

- various signallers for connection to the JET-24 V SHEV
ATTENTION:
In case of the motor supply line it is not allowed to use the protective conducting wire (green/yellow)!
Please consider the VDE guidelines!

NOTE:
other JET-SHEV centrals upon request

MAXIMUM ALLOWED CABLE LENGTHS FOR THE JET-SHEV CENTRALS IN COMBINATION WITH STANDARD DRIVES IN CONSIDERATION OF THE SPECIFIED CABLE CROSS SECTIONS

<table>
<thead>
<tr>
<th>cross section</th>
<th>drive current</th>
<th>3,0 x 1,5 mm²</th>
<th>5,0 x 1,5 mm²</th>
<th>3,0 x 2,5 mm²</th>
<th>5,0 x 2,5 mm²</th>
<th>3,0 x 4,0 mm²</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 A</td>
<td>84 m</td>
<td>168 m</td>
<td>140 m</td>
<td>280 m</td>
<td>224 m</td>
</tr>
<tr>
<td></td>
<td>2 A</td>
<td>42 m</td>
<td>84 m</td>
<td>70 m</td>
<td>140 m</td>
<td>112 m</td>
</tr>
<tr>
<td></td>
<td>3 A</td>
<td>28 m</td>
<td>56 m</td>
<td>47 m</td>
<td>93 m</td>
<td>75 m</td>
</tr>
<tr>
<td></td>
<td>4 A</td>
<td>21 m</td>
<td>42 m</td>
<td>35 m</td>
<td>70 m</td>
<td>56 m</td>
</tr>
</tbody>
</table>

Electrical wires must be performed according to the respective applicable version of the VDE-guidelines in general.