

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:

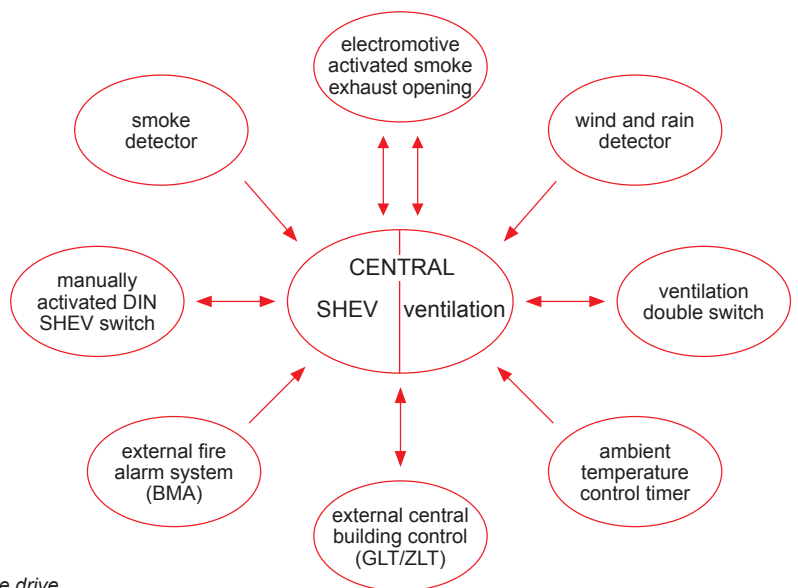
- smoke detection/temperature detection
- alerting (internal/external)
- manual operation (alarm or ventilation)
- stepless ventilation
- wind and rain detector
- finishing time CLOSE-control
- connection to central building control (GLT/ZLT)

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 24V telescope spindle drive



1.1.1 JET-TOP 90	1.1.2 JET-TOP 90 PLUS	1.1.3 JET-TOP 90 SOUND REDUCTION	3.4.2 JET-SKYSIGHT	3.5.2 JET-TOP 90 COMFORT/S	3.6.2 JET-ISO 45° pyramid GLASS/GRILLODUR®	3.6.3 JET-ISO 45° hip-rooflight GLASS/GRILLODUR®
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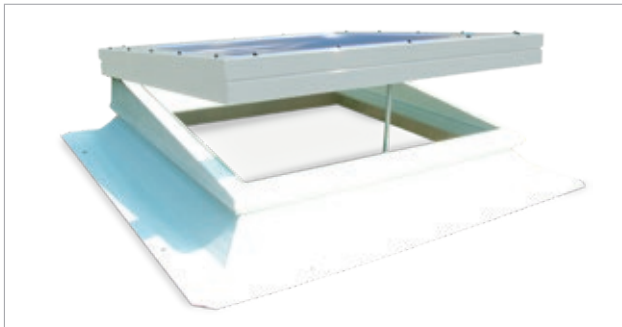
Smoke and heat exhaust systems are safety systems!

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



JET-SKYSIGHT (with border frame)
in ventilation position

		application possibilities of the JET-24V SHEV motor opener	type of drive
roof		glass roof ventilation flap roof-top window	Z, S, R, K
		light dome	Z, S, R
		continuous rooflight flap	Z, S, R
		JET-ATMOSPHERE products	Z, S, R, K
wall/facade		JET-SMOKEJET® surface ventilator	Z, S, R
		tilt/rotor window opening to the inside	K
		pivoting window	K
		tilt window below or above opening to the outside	K

Z: rack drive
S: thrust spindle drive
R: telescope spindle drive
K: chain thrust drive

THE JET-SYSTEM: SMOKE EXHAUST, VENTILATION AND DAYLIGHT IN COMBINATION

JET-24 V motor drives



JET-motor opener with thrust spindle type M2

- thrust spindle drive
- standard drive for JET-light domes and JET-continuous rooflight flaps
 - 500N lifting force
 - integrated load shedding
 - thermal protection
 - potential-free contact for the OPEN-indication



JET-telescope spindle drive type M8

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



JET-telescope spindle drive type M8-S

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



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

- chain thrust drives:
- elegant alternative to the spindle drives
 - can also be installed on narrow window cover frames due to low installation height



for medium dimensions JET-motor opener with rigid chain type M6/KA

- nearly all window types can be opened electrically by the use of suitable consoles
- stroke length from 100 up to 800 mm (depending on type of drive)
- lifting force from 250 up to 1000N (depending on type of drive)
- with integrated electronical load shedding



for bigger dimensions and selected glass products JET-motor opener KM13

- application as solo, tandem or synchronous drive (depending on type of drive)
- operating parameters programmable (depending on type of drive)

JET-24 V SHEV centrals/switches/detectors/signaller



JET-SHEV central

- from the compact for 2 drives up to large slide-in central for max. 48 drives and more
- backup power supply due to built-in accumulators minimum 72 hours
- motor, switch, BUS and smoke detector lines are standby current controlled



JET-smoke exhaust switch

- lockable with glass panel for breaking in case of fire, available in orange, grey, yellow, blue and red
- visual display for alarm and control
- acoustical alarm and fault indicator



JET-ventilation rotary switch

- ventilation rotary switch with touch and latching function (adjustable)
- available in upon or under plaster version



JET-wind/rain detector

- 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



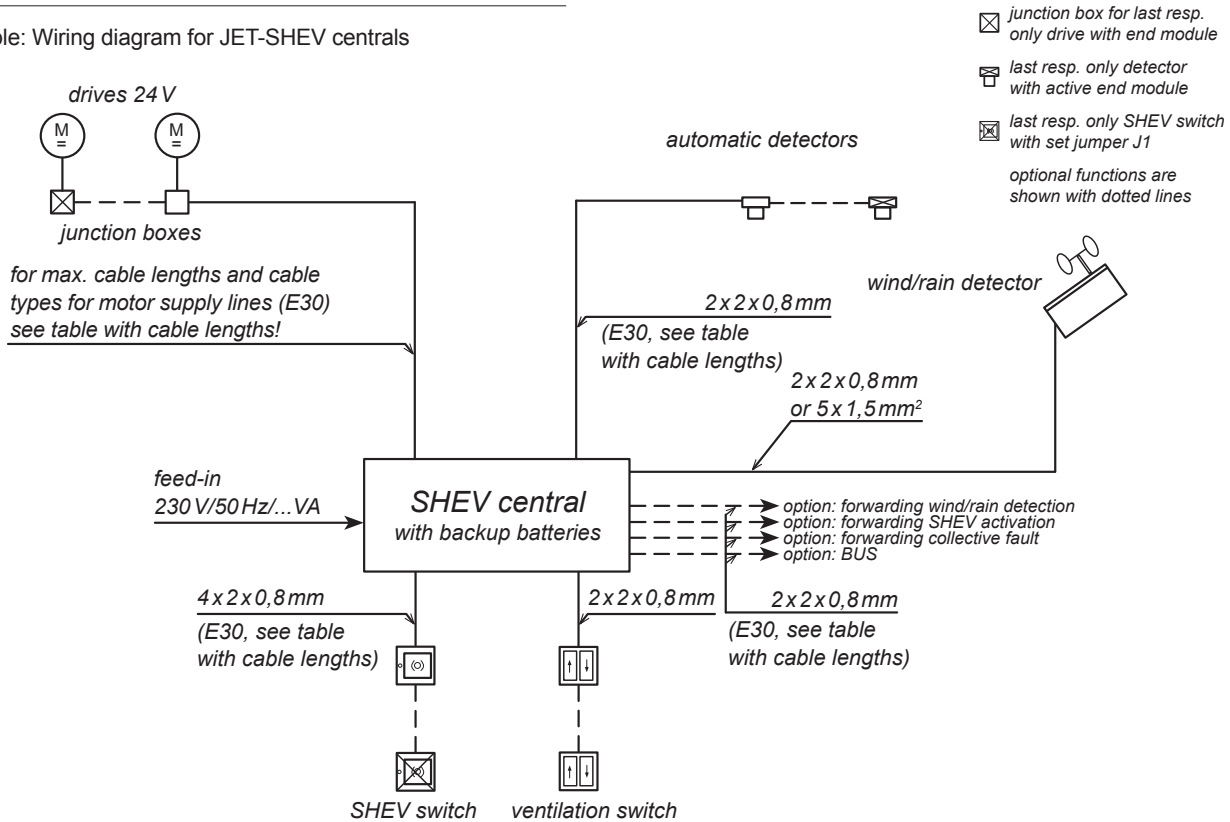
JET-smoke detector

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

various signallers for connection to the JET-24 V SHEV

- 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)

Sample: Wiring diagram for JET-SHEV centrals



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

cross section drive current	3,0 x 1,5mm ²	5,0 x 1,5mm ²	3,0 x 2,5mm ²	5,0 x 2,5mm ²	3,0 x 4,0mm ²
1 A	84 m	168 m	140 m	280 m	224 m
2 A	42 m	84 m	70 m	140 m	112 m
3 A	28 m	56 m	47 m	93 m	75 m
4 A	21 m	42 m	35 m	70 m	56 m

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

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WITH SAFETY.**