



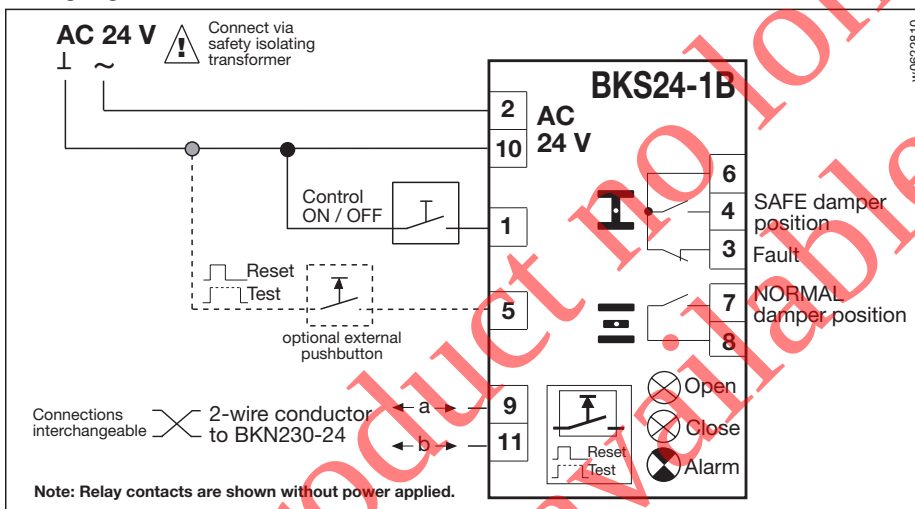
Control and monitoring of motorized fire and smoke dampers in combination with the Communication and Power Supply Unit BKN230-24

Mode of operation

The BKS24-1B unit receives status information about the fire and smoke damper and issues control commands to it via the Communication and Power Supply Unit BKN230-24.

LEDs on the front of the unit signal the operating status of the damper and the presence of faults anywhere in the system.

Wiring diagram



Floating auxiliary contacts allow the unit to be linked into higher level systems (such as damper end position indicators, fault alarms, fan enabling, etc.).

Function testing of the fire and smoke damper systems by pressing the "RESET/TEST" pushbutton.












Accessory

ZSO-11 plug socket suitable for 35 mm DIN rail mounting (order separately)

Detailed functional sequences see over.

Typical wiring diagram see over.

Signalling and diagnosis

LEDs			Contacts	Description
⊗ Open	⊗ Close	⊗ Alarm	Status	Causes / Sequence
⊗ OFF	⊗ OFF	⊗ OFF		No AC 24 V power supply
⊗ ON	⊗ ON	⊗ ON		Test run ca. 35 s , triggered by: AC 24 V energising or by pressing “Reset / Test”
⊗ OFF	⊗ OFF	 flash		New fault , possible causes: • Short-circuit or open-circuit in 2-wire conductor or damper fault (BKN...) • No AC 230 V • Defective thermal trip • Smoke detector triggered • Running time exceeded • Damper jammed
⊗ OFF	⊗ OFF	⊗ ON		Stored fault • Signal given that there has been a fault in the system and it should be checked
⊗ OFF	 flash	⊗ OFF		Damper (actuator) moving to the safe position
⊗ OFF	⊗ ON	⊗ OFF		Damper in the safe position I
 flash	⊗ OFF	⊗ OFF		Damper (actuator) moving to the operating position
⊗ ON	⊗ OFF	⊗ OFF		Damper in the operating position II

Technical data

BKS24-1B

Nominal voltage	AC 24 V 50/60Hz
Nominal voltage range	AC 19.2...28.8 V
For wire sizing	3 VA
Power consumption	2.5 W
Connection	Submagnal connector 11 pole, suitable for ZSO-11 socket (ZSO-11 plug socket not included, order separately!)
Auxiliary switches	6 A (2 A), AC 24 V
Protection class	⚡ (safety low voltage)
Degree of protection	IP 30
Ambient temperature range	0...+ 50 °C
EMC	CE according to 89/336/EEC
Maintenance	maintenance free
Weight	150 g

Dimensions

