



SMOKE CONTROL DAMPER ACTUATOR



BEA...F SERIES

FIRE AND SMOKE CONTROL
DAMPER ACTUATOR

15Nm On-Off Control

**BEA24S-15F
BEA24ST-15F
BEA230S-15F
BEA230ST-15F**

- Torque : 15Nm
- Running time : electric control time <150S
spring reset time <25S
- Nominal voltage: AC/DC 24V AC 230V
Control: ON / OFF
- Model with "S" type contains 2 auxiliary switches
- Model with "T" includes 72°C temperature probe

15Nm

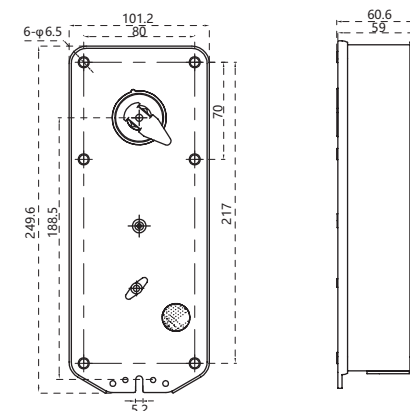
BEA...F SERIES

FIRE AND SMOKE CONTROL
DAMPER ACTUATOR

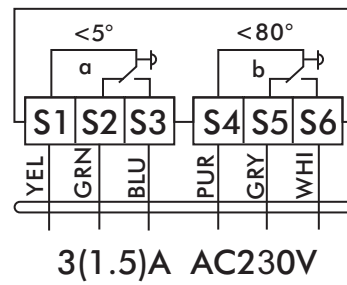
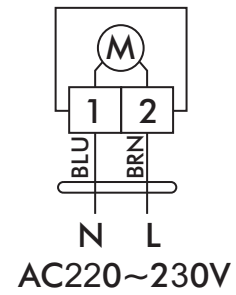
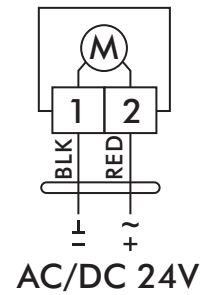
Technical specification

	BEA24S-15F/BEA24ST-15F	BEA230S-15F/BEA239ST-15F
Electrical data		
Nominal voltage	AC/DC 24V 50/60Hz	AC230V 50/60Hz
Nominal voltage range	AC/DC 19.2...28.8V	AC85...230V
Power consumption	10W@Nominal torque /3.5W@holding	10W@Nominal torque /3.5W@holding
Transformer capacity	15VA	
Wire sizing	0.5mm²	
Function data		
Damper size	3m²	
Direction of rotation	Selected by mounting L/R	
Manual override	Yes	
Angle of rotation	Max95°	
Sound power level	45dB	
Position indication	Mechanical	
Working Conditions		
Protection class	Ⅲ (safety low voltage)	Ⅱ (totally insulated)
Protection level	IP54	
Ambient temperature	-20...+50°C /IEC 721-3-3	
Inventory temperature	-30...+80°C /IEC 721-3-2	
Humidity test	95%RH, non condensing / EN 60730-1	
Dimensions / Weight		
Dimensions(L×W×H)	See“ Dimensions”	
Shaft length	< 50mm	
Shaft diameter	12X12mm □ 8X8、10X10 Shaft sleeve	
Weight	< 2.8kg	

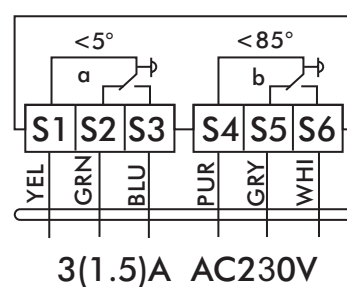
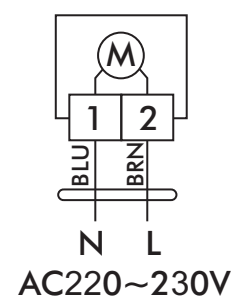
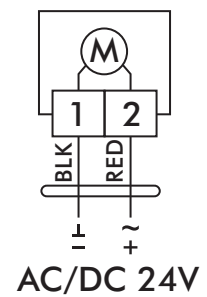
Actuator Dimensions



On-Off Wiring Diagram



Applies to:
BEA24S-5F BEA230S-5F
BEA24ST-5F BEA230ST-5F

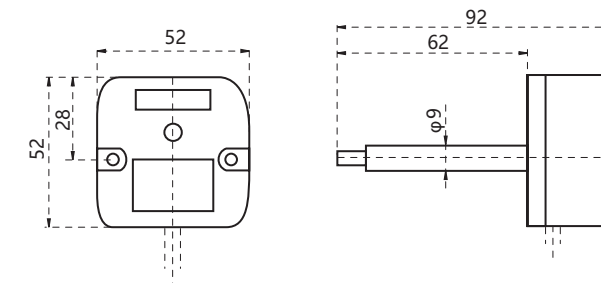


Applies to:
BEA24S-10F BEA230S-10F
BEA24S-15F BEA230S-15F
BEA24ST-10F BEA230ST-10F
BEA24ST-15F BEA230ST-15F

BEA...F SERIES

FIRE AND SMOKE CONTROL
DAMPER ACTUATOR

Thermal Sensor Structure Diagram Decomposition



Thermal Sensor SAF72

Thermal sensor SAF72 consist of both ambient(ts1) and duct sensor(ts2).

TS1 will trip open when ambient temperature rise above 72°.

TS2 will trip open when duct temperature rise above 72°

Type Naming

