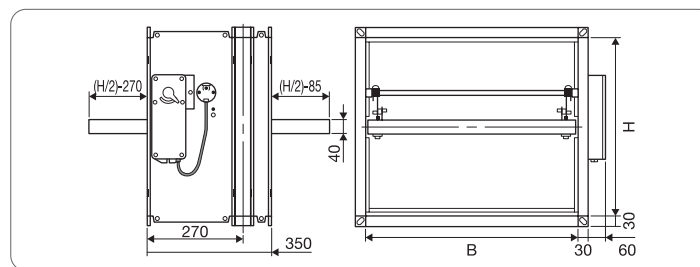


KWP-O



- ▶ **VDI 6022 HYGIENIC STANDARD**
- ▶ **STABILISER BAR**



Description

EI 120 S fire damper according to UNI EN 1366-2 classification UNI EN 13501-3 certificate no. 1488-CPR-0444/W

CE marking - VDI 6022 hygienic certificate

- Special stabiliser bar to prevent vibrations and increase damper rigidity
- Construction: Z275 galvanised steel frame th. 15/10- 20/10 with flanges for connection to the ducting, intermediate thermal break, offset blade in calcium silicate mounted on steel pins and brass bushings, intumescent gasket and perimeter gasket for tightness against cold
- Vertical or horizontal installation
- Leakage class C of the frame according to EN 1751
- Leakage "Class 3" tests on blade according to EN 1751

Fitted with:

- **Manual version:** with 72°C thermal fuse, spring return and microswitch
- **Motorised version:** motors with thermal fuse, return spring, 24V and 230V dual microswitch

- Installations in walls with fire resistance classes EI 120/90/60 with blade installed in the wall
- Ceilings th. 150 mm
- Masonry walls with th. 115 mm
- Plasterboard walls th. 125 mm

EI 120 (v, h, i ↔ o) S

Construction in single piece up to 1500x600 manual version and 1500x1000 motorised version

Installation in series 2-16 pieces (up to 8 pieces in a row) total area up to 6 m²

KWP-O-S: with thermal fuse and spring return

KWP-O-W: With thermal fuse, spring return and microswitch (W1 - W2 - W12)

- **W1:** limit switch on closing
- **W2:** limit switch on opening
- **W12:** limit switch opening and closing

KWP-O-E24T: with servomotor with return spring, thermal fuse and double opening and closing micro limit switch, 24V power supply

KWP-O-E230T: with servomotor with return spring, thermal fuse and double opening and closing micro limit switch, 230V power supply

Special constructions

- Execution in batteries
- Execution in AISI 304/316 stainless steel
- **ATEX execution:**
 - II 2G Ex h IIC T6...T5 Gb
 - II 2D Ex h IIIC T80°C...T95°C Db
- Made of galvanised steel coated according to the RAL table
- Blade treated with solvent-free, silicate-based impregnating agent, for acidic or very humid environments
- 95° thermal fuse for motorised version
- Additional communication systems (see page 10)

KWP-O price list

H/L	200	300	400	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
200	211	226	240	255	262	270	277	284	292	300	301	309	316	324	331	338	346	353	373	381	389	397	405	413
300	224	242	259	276	285	294	302	311	320	329	332	341	350	359	367	376	385	393	416	425	453	462	472	481
400	238	258	279	298	308	318	328	338	348	359	364	374	384	394	423	433	443	453	478	489	499	510	520	531
500	-	275	298	320	332	343	354	366	377	389	414	425	437	448	460	471	482	494	521	533	545	557	569	580
600	-	285	311	336	349	362	374	406	419	432	445	457	470	483	496	509	521	534	564	577	590	603	617	630
700	-	302	330	358	372	405	419	433	447	462	476	490	504	518	532	546	560	574	606	621	635	650	-	-
800	-	-	349	379	413	429	444	460	475	491	506	522	537	553	568	584	599	614	649	-	-	-	-	-
900	-	-	367	420	436	453	470	486	503	521	537	554	571	588	605	621	-	-	-	-	-	-	-	-
1000	-	-	387	441	460	478	496	514	532	551	569	587	605	623	-	-	-	-	-	-	-	-	-	-

W1 = MICRO 21

W2 = MICRO 21

W12 = MICRO 42

72°C THERMAL FUSE 16

KWP-O-E24T price list

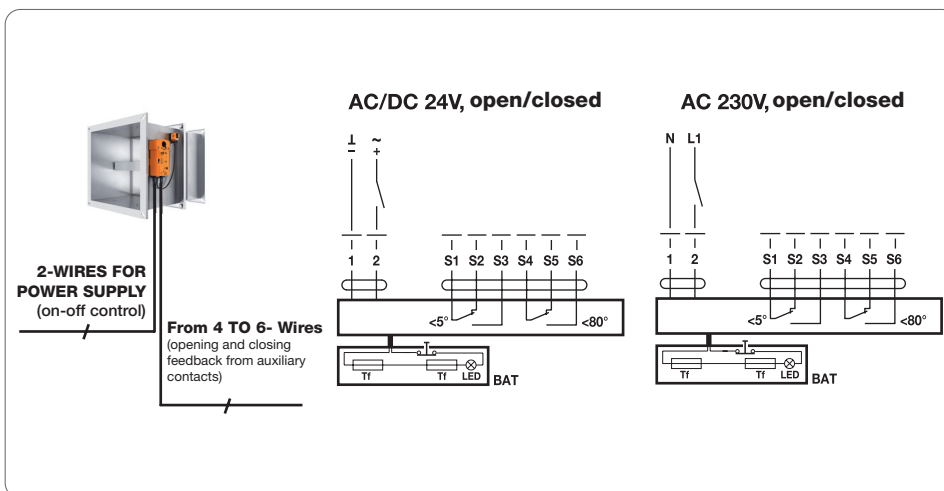
H/L	200	300	400	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
200	441	456	471	485	492	500	507	514	522	530	537	544	552	559	567	574	581	589	609	710	718	726	734	742
300	454	472	489	506	515	524	532	541	550	559	661	670	678	688	696	705	714	722	745	754	763	772	782	791
400	468	488	509	529	539	549	652	662	672	683	693	703	713	723	733	743	753	763	788	799	809	820	830	841
500	-	505	528	550	655	666	678	689	700	713	724	735	747	758	770	781	792	804	831	843	855	867	879	891
600	-	521	547	665	678	691	703	716	729	742	755	767	780	793	806	819	831	844	874	916	930	943	956	969
700	-	537	659	687	701	715	729	743	757	772	786	800	814	828	842	855	869	899	914	946	960	975	989	1004
800	-	553	678	708	723	739	754	770	785	801	816	832	876	892	908	923	938	954	988	1004	1020	1036	1052	1068
900	-	663	696	730	746	763	780	796	813	831	877	893	910	927	944	961	977	994	1031	1048	1065	1083	1100	1117
1000	-	-	716	751	770	788	806	824	842	890	908	926	944	963	981	999	1017	1035	1074	1093	1111	1130	1148	1167

KWP-O-E230T price list

H/L	200	300	400	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
200	463	478	493	507	514	522	529	536	544	552	559	566	574	582	589	596	604	611	631	735	743	751	758	766
300	476	494	511	529	537	546	555	563	572	581	686	695	703	712	721	730	738	747	770	779	788	797	806	816
400	490	510	531	551	561	571	677	687	697	707	717	727	737	748	758	768	778	788	813	823	834	844	855	866
500	-	527	550	572	680	691	702	714	725	737	749	760	771	783	794	806	817	828	856	868	880	892	903	915
600	-	543	569	690	703	715	728	741	753	767	779	792	805	818	831	843	856	869	898	972	985	998	1011	1025
700	-	559	683	711	725	739	753	767	781	796	810	824	838	853	867	891	955	969	1001	1016	1030	1045	1059	1074
800	-	575	702	733	748	764	779	794	810	826	841	857	932	948	963	978	994	1009	1044	1060	1075	1091	1107	1123
900	-	687	721	754	771	788	804	821	838	855	932	949	965	982	999	1016	1033	1049	1086	1104	1121	1138	1155	1172
1000	-	-	740	776	794	812	830	848	866	945	963	981	999	1018	1036	1054	1072	1090	1129	1148	1167	1185	1204	1222

Standard actuator

- BFL24-T
- BFN24-T
- BF24-T
- BFL230-T
- BFN230-T
- BF230-T

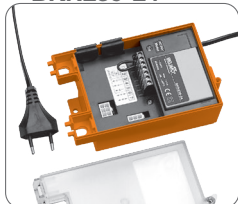


Control and warning

Actuators:

- All 24V actuators with T-ST extension
- BFL24-T-ST
- BFN24-T-ST
- BF24-T-ST

BKN230-24



Description

- Power supply and communication unit for actuators for 24V fire damper with ST socket
- Built-in status light
- Possible connection to a smoke detector, without additional power supply
- AC 230V power supply

BKS24-1B



Description

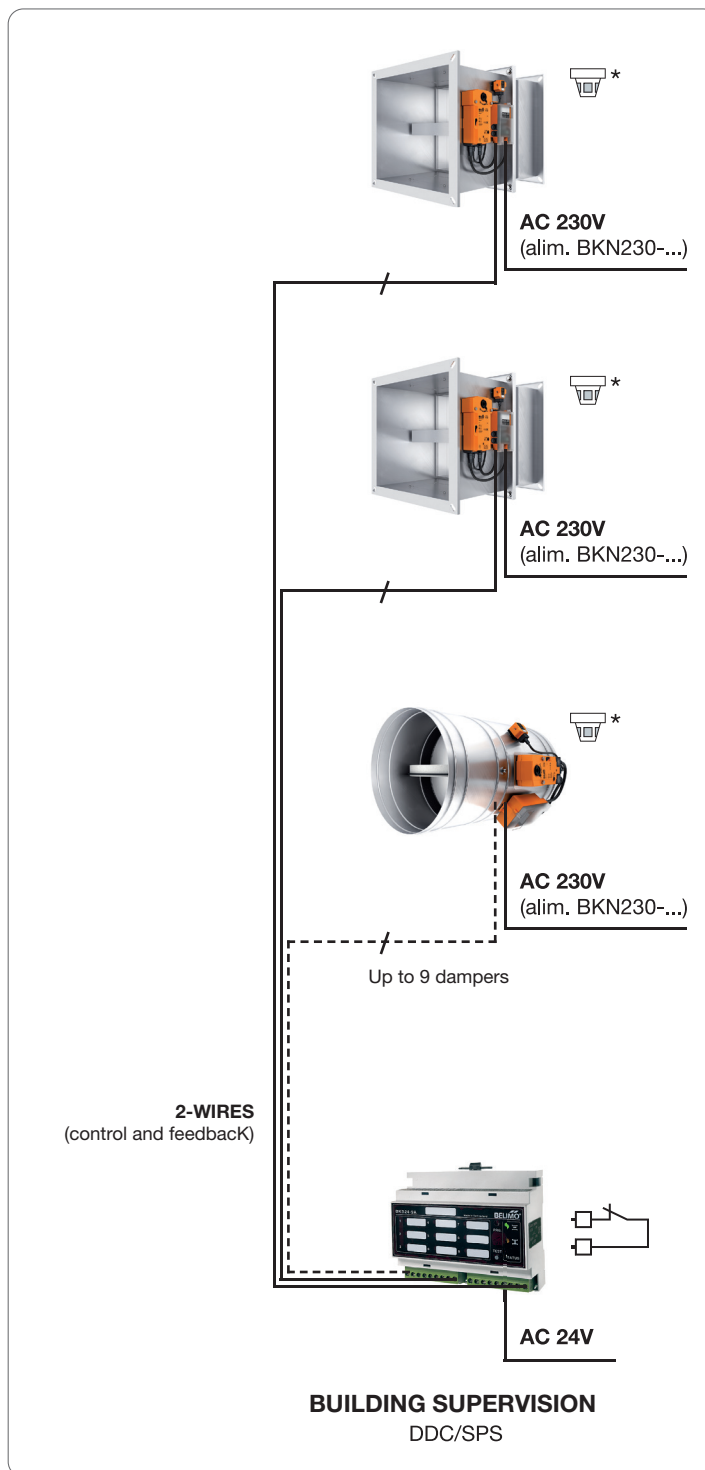
- Communication and control unit for fire damper
- Control and monitoring of 1 damper
- Built-in status light
- ZSO-11 connection base required
- AC 24V power supply

BKS24-9A



Description

- Communication and control unit for fire damper
- Control and monitoring of 9 dampers
- Built-in status light
- Connection plug terminals
- AC 24V power supply



Modbus RTU and BACnet MS/TP

Actuators:

- All 24V motors with T-ST extension

BKN230-24-MOD



Description

- Power supply and communication unit for actuators for 24 V fire damper with ST socket
- BACnet MS/TP, Modbus RTU communication
- Built-in status light
- Possible connection to a smoke detector, without additional power supply
- AC 230V power supply

UK24MOD

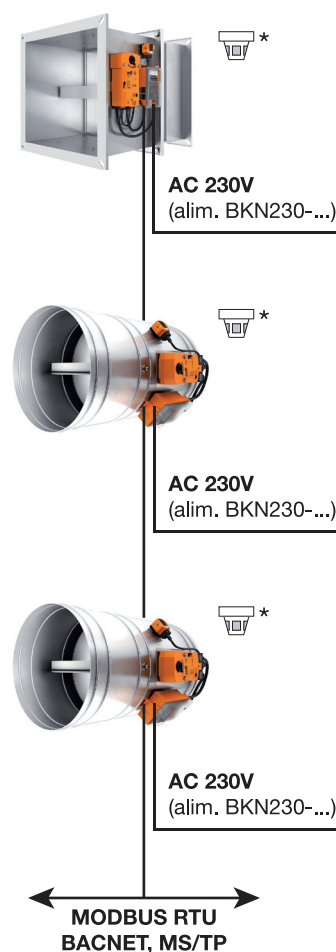


Description

- MP Gateway for Modbus RTU
- AC/DC 24V
- MP interface – Modbus RTU (RS-485)
- Connection of max. 8 actuators
- MP/MPL/MFT(2) incl. VAV and fire protection

1..64 DAMPERS

(with signal repeater, it is possible to connect up to 64 dampers)



Fire / smoke control damper

MP-Bus and DDC-Controller

Actuators:

- All 24V motors with T-ST extension

BKN230-24-C-MP



Description

- Power supply and communication unit for actuators for 24 V fire damper with ST socket
- MP-Bus communication
- UK24MOD, UK24BAC and SBS control
- Built-in status light
- Possible connection to a smoke detector, without additional power supply
- AC 230V power supply

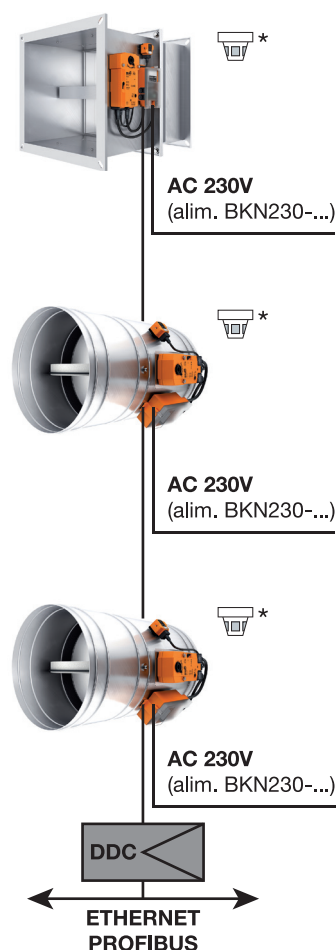
UK24BAC



Description

- MP Gateway for BACnet MS/TP
- AC/DC 24V
- MP interface – BACnet MS/TP (RS-485)
- Connection of max. 8 actuators
- MP/MPL/MFT(2) incl. VAV and fire protection

1...8 DAMPERS



Fire damper systems

All prices are list prices for local market, for a quotation please contact us.

Price list - Fire damper systems

Cable / Socket for systems	€
T-ST	50

Power supply and communication systems	€
BKN 230-24	280
BKN 230-24 C - MP	400
BKN 230-24 MOD	400
BKN 230-24 LON	620

Monitoring and control system	€
BKS 24-1	530
24-9A BKS	710
UK 24 MOD	830
UK 24 BAC	940

Example:

Fire damper with 24V actuator and thermal fuse, take the list price for the motorised damper.

We combine the power supply and communication unit **BKN230-24** and to do so, we need to use the **T-ST** cable.

T-ST + BKN 230-24 we will get: € 50.00 + € 280.00 = € 330.00 to be added to the price of the 24V motorised damper.

We will then combine the monitoring and control system **BKS 24-1** or **BKS24-9A**.

Combine the components according to the "MOD-LON" communication system.

Smoke control damper systems

All prices are list prices for local market, for a quotation please contact us.

Price list - Smoke control damper systems

Cable / Socket for systems	€
T-ST	50

Power supply and communication systems	€
BKNE 230-24	380

Monitoring and control system	€
BKSE 24-6 UP TO 6 DAMPERS	530
BSIA24-48 PULSE, 24-48 V, NORM. OPEN	710
BSIA24-48 R FAIL SAFE / CUT-OFF, NORM. CLOSED	830