

FANS COOPERATING WITH EXTRACTORS TYPE KOS-L/SSAK, BEL/SSAK, OVER/SSAK

Fans functioning with extractors should be selected, depending on the requirements (quantity of served stations, sort of the served vehicles, simultaneity of work of the extractors function). It is recommended to apply the radial fans WPA-N series of types (see Section FANS). To select the fan correctly – contact KLIMAWENT S. A.)

ELEMENTS OF THE CONTROL SYSTEM WITH FUNCTION OF THE FAN – IN CASE OF APPLICATION OF KOS-L/SSAK, BEL/SSAK, OVER/SSAK

ZE-SSAK control unit is installed in the garage or another room, as indicated by User.

Includes a switch of controlling with positions:

0 – control unit is switched off,

L – local control,

Z – remote control.


To start the local control L press the green button START of the ZE-SSAK control unit, to operate the fan; whereas, to switch off the fan, press the red button STOP.

Remote control Z starts the fan by means of the ZP-1/24V, ZP-2/24V supporting control unit or via radio by means of the NR-1 Ap and receiver OR-1.

1. Control unit ZE-SSAK


A control unit: is equipped with adequately selected motor switch and contactor: Function: short-circuit- and thermal protection, includes time relay decaying the fan disconnection (in case of remote control only) – manufacturer's setting approx. 1,5 min.

Control units for motor power above 5 kW, provide soft start-up of the fan by means of the delta-star startup.

	Type	Part No.	Supply voltage [V]; 50 Hz	Current range [A]	Motor rate [kW]	Devices to cooperate with
	ZE-SSAK-4-3	811Z50	3x400	2,5–4	1,5	WPA-8-(D, E, S)-3-N, NR-1Ap, OR-1
	ZE-SSAK-6,3-3	811Z51	3x400	4–6,3	2,2	WPA-9-(D, E, S)-3-N, NR-1Ap, OR-1
	ZE-SSAK-10-3	811Z52	3x400	6–10	3	WPA-10-(D, E, S)-3-N, NR-1Ap, OR-1
	ZE-SSAK-13-Y/D	811Z55	3x400	9–13	5,5	WPA-11-(D, E, S)-3-N, NR-1Ap, OR-1
	ZE-SSAK-17-Y/D	811Z56	3x400	11–17	7,5	WPA-13-(D, E, S)-3-N, NR-1Ap, OR-1
	ZE-SSAK-32-Y/D	811Z57	3x400	22–32	15	WPA-14-S-3-N, NR-1Ap, OR-1


2. Control unit ZE-SSAK 07

To control the fan in application with the exhaust extractor SSAK-07, in case of other extractors SSAK do not provide remote control (via cable or wireless).

	Type	Part No.	Supply voltage [V]; 50 Hz	Motor rate [kW]	Current range of the motor switch [A]	Devices to cooperate with
	ZE-SSAK 07	811Z49	3x400	1,5	2,5–4	WPA-7-E-3-N, WPA-7-D-3-N, WPA-8-E-3-N, WPA-8-D-3-N


3. Radio receiver OR-1

To cooperate with the radio transmitter NR-1Ap. Install the receiver in a place where radio waves interference do not occur. The receiver is connected electrically with this unit.

	Type	Part No.	Supply voltage	Devices to cooperate with
	OR-1	812O01	24 V AC	ZE-SSAK, NR-1Ap


4. Radio transmitter NR-1Ap

Is designed for wireless control of the fan, from driver's cabin. The fan is started automatically while starting the vehicle engine. When the engine is stopped or the vehicle leaves the garage for action, the fan switches off automatically upon adjusted time delay. At the moment the vehicle returns to garage, the fan is automatically switched on. The pushbutton on the radio transmitter starts the fan. When the vehicle engine is stopped and started again, the transmitter will be activated one more time.

	Type	Part No.	Voltage	Devices to cooperate with
	NR-1Ap	812N04	12÷24 V DC	OR-1

5. Safety switch IS

To cut off the supply circuit of the one-phase or three-phase motor of rated current 16 A. It is possible to block the switch wheel in position)–OFF. It is suggested to instal the switch near the fan.

	Type	Part No.	Supply voltage [V]; 50 Hz	Zakres prądowy zabezpieczenia termicznego [A]
	IS	843W30	230/3x400	0–16