

Speed control switch ZG



DITTELBACH UND KERZLER

Installation and operation manual

Warning: Hazardous voltage may appear at the electrical parts even when the device has stopped. Therefore, isolate prior to opening the device. Entrance of humidity into the openend device must be avoided.

Mounting: Speed control switches may be coupled by means of their drive shaft with diameter 20mm k6 and the featherkey. Please pay attention that both shaft butts are on the same geometrical axis.

Fixing is as follows:

- For version ZGF by means of 4 screws at the flange
- For version ZGL by means of 4 screws at the plate.

Pay absolut attention that the shaft end of the switch and the shaft end of your plant are on one axis.

Connection: This device needs no external source for the electronic evaluation. The supply voltage is generated internal by shaft rotation.

Open the lid by a left-hand rotation. Tighten the M20threaded cable entry with a suitable cable gland.

Each rotation direction acts on an own individually adjustable potetial-free single-circuit two-way contact (SPDT). Wire these contacts according to your demands.

For **adjusting** the set points program the two pairs of code switches, one pair for left rotation and the other pair independent of the first for right rotation direction. Inside the lid is printed the code factor. Programming 0:2 on ther code switch effects a trip speed at increasing speeds in the size of 02 x factor, 0:3 effects 3 x factor, 4:3 effects 43 x factor and 0:0 effects 100 x factor. Attention: 0:1 is not defined. All speeds in ROTATION PER SECOND ! ! ! ! At decreasing speeds the hysteresis is smaller then one stepwidth.

Put on the lid again and tighten it well as cable gland. Pay absolute attention to water- and dust-proof protection.

No further **maintenance** is required as the switch is long-life lubricated .

Technical data

Supply voltage	Internally generated
Relay contacts	1 SPDT for left turning, 1 SPDT for right turning individually adjustable max 400VAC max 5A max 1250VA max 240VDC max 5A max 150W
Connecting ports	max 2,5mm ²
Cable conduit	1x M20
Ambient temperature operating	-25°C ... +70°C
storage	-40°C ... +80°C
Enclosure	IP65

