Vibrator Control Type RS1K

RS1K

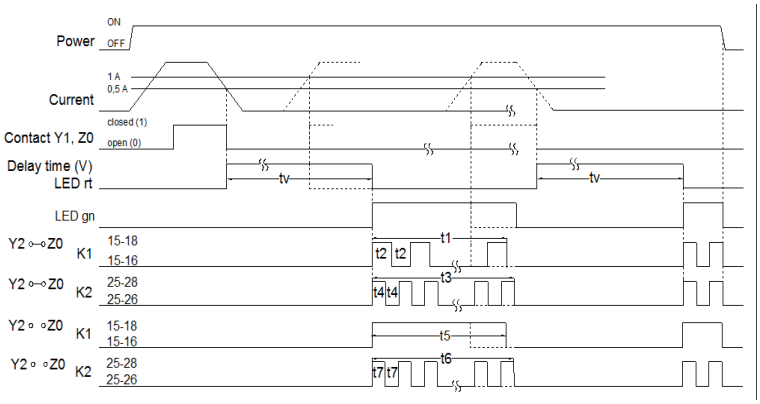


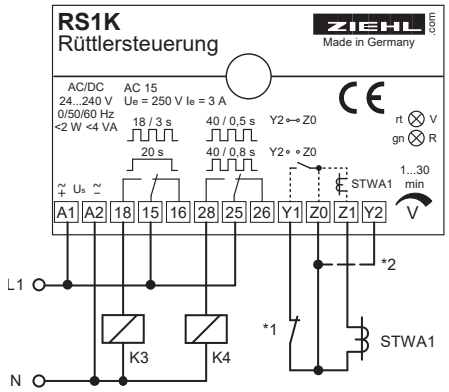
Part number: **Z224302**

The vibrator control RS1K is a compact multiple time relay for triggering of vibrators in suction plants. In order to be able to operate suction plants at an optimum, the filters which get clogged by sawdust, chips or dust, have to be dedusted by vibration from time to time. The vibration action is by no means to be carried out the suction running or while slowing down the ventilator. If suctioning is started during vibration, the process is immediately to be interrupted. Prior to starting the vibration action, an adjustable deceleration time is running to delay the ventilator before start of vibration. This means that short stoppages can be bypassed without being obliged to carry out a vibration every time.

- Start of deceleration time by break contact at Y1/Z0 (e.g. from contactor suction motor)
- Starting of deceleration time through current transformer STWA 1 at Z0/Z1 (e.g. L1 from suction motor)
- adjustable deceleration time 1...30 min.
- Relay K1: continous vibration 20 s or impulse-vibration 18 s with 3 s clock
- Relay K2: impulse-vibration 40 s with clock 0,5 s or 0,8 s (for magnet valves)
- LED (red) signals deceleration time
- LED (green) signals vibration action
- automatic interruption of the vibration action when starting the suction process.

Function diagram:





Technical Data

Rated Voltage Supply U_S	AC/DC 24...240 V, AC 19-264 V, DC 20-297 V < 2VA
Input Y1/Z0, Y2/Z0 Input Z1/Z0 Switching current Overload Capacity of transformer	Contact, Breaker (nc), 18 V, 3 mA Current Transformer STWA1 ON ≥ AC 1 A, OFF ≤ AC 0,4 A max. 100 A continous, 300 A / 10 s
Relay-Output Type of Contact	2 x 1 co Type 2 (see general technical informations)
Test Conditions adm. ambient temperature	see "general technical informations" -20...+55°C
Dimensions H x B x T Fitting position	Design K: 75 x 22,5 x 115 [mm] on 35 mm standard rail according to DIN EN 60 715 or screws M4 (not included in delivery scope)
Protection Housing/Terminals	IP 30/IP 20