The control system VTA 971

The electronic control system VTA971 is applied to the substitution of relay control systems in the switch-boards and the renovating panels of contemporary **traction** and **hydraulic lifts**.

The system is easy to use for the servicing organizations which modernize the relay devices and at the same time **open the way for the progressive reconstruction of the lift equipment**. The operating system is in accordance with contemporary legal requests and standards - ČSN EN 81-1, ČSN EN 81-2, ČSN EN 12015 and ČSN 12016.

Basic versions:

- 20 stages of single speed lift with the inductor sensor of VRN type;
- 18 stages of two-speed lift with inductor sensors of RND or RJD type;
- 15 stages of single speed lift with stage switches of VKR40 type;
- 14 stages of two-speed lift with stage switches of SP40A, SP40B or SP40C type.

In these cases our company offers the control systems from simple control to Simplex, Poloduplex, Polotri-plex, revision course, driving and the like.

ADVANTAGES

- General use of the system – the system parameters can be set to control all the basic technologies.
- System can control the four types of the inverter alternatively (Unidrive SP, .Frenic G11S, Varispeed V7, Varispeed L7).
- System implements controlling of the hydraulic lift drives.
- Communication of 2 or 3 systems is supported, which reduces the power consumption.
- Various automatic door types can be controlled.
- Confirmation of cage and external pre-selections is implemented.
- System enables the installation of the voice location indicator according to the EN CSN 81-70, I.5.4.4.2 standard.
- Light indication of the important states of lift mechanics, lift car overloading, output overloading.
- Control unit can easily be exchanged with the help of jack leads.
- Parameter setting enables the fixed and/or switched cage floor selection.
- System integrates the Remote Monitoring. It means, the diagnostic data, supporting the service of the lift, is stored in the VTA 971 system non-volatile memory, e.g. the number of rides, the error history etc. The data stored can be printed out of the memory on the service technician request and/or can be sent to the service centre using the data transmission via Internet – LAN network (Ethernet) or GPRS.
- The automatic car landing at a selected stage after a period of inactivity can be set.
- The polarity of the location sensors can be set.
- Gong can be installed for the signalling of the car overloaded, signalling of an external request to the lift driving person and/or signalling of the landing at the pre-selected final stage.
- Driving of the lift by the lift driving person is enabled.
- Lift can be controlled using the buttons placed on the control system unit.
- The emergency course for the high capacity lifts is implemented.
- Easy operation..

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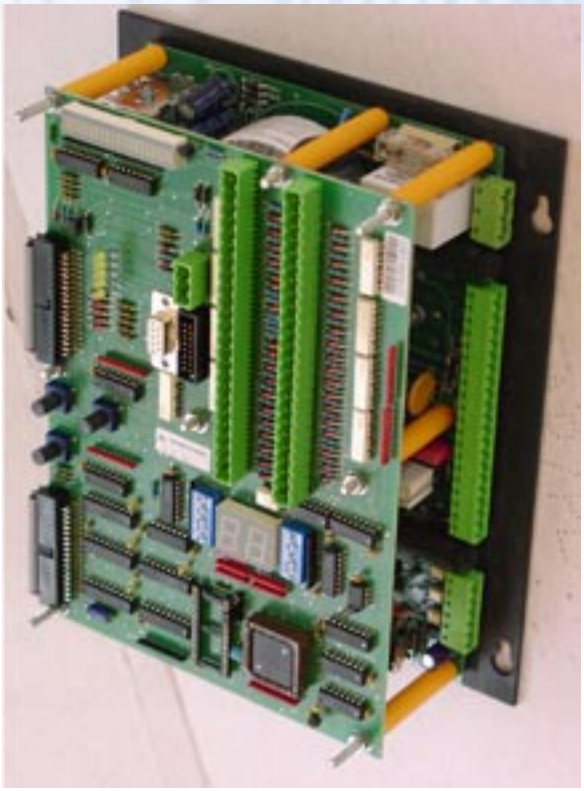

TECHNICAL PARAMETERS

Power voltage of control unit	230 VAC ± 0%, 50 Hz, protection through fuse T315 mA
Maximum consumption of control unit	25 VA
Power voltage of switching units for the power part	55 V ± 10 %, 50 Hz, prot. through fuse F6,3 A
Power voltage of direction indicator lights	10 VAC ± 10%, 50 Hz, prot. through fuse T4 A
Power voltage of lift car lighting	0–250 VAC, 50 Hz
Own source of supply voltage for power supplying of digital input	48 VDC ± 5 %, short circuit protection
Continuous power take-off of contactor control output	1,5A
Continuous power take-off of magnet output	1,5A
Continuous power take-off of direction indicator lights	1,6A
Cover	IP20B
Dimension	240x195x95 mm
Weight	1,8 kg

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