

Lifts



Compliant  
with standard  
EN 81-20

## Lift control system **BC-NELA**

BC-NELA represents a next-generation control system designed for both traction and hydraulic lifts. This system offers state-of-the-art technology along with emphasis on maximum operational reliability.



### System features:

- Compliant with standards EN 81-20, EN 81-50
- LCD display for setting parameters
- Parameters can be set remotely via PC, tablet or mobile phone
- Remote monitoring, time/date stamped diagnostics
- Free technical support

<b>Lift type – by function</b>	passenger, freight, evacuation, fire, for disable people
<b>Lift type – by drive</b>	traction, hydraulic
<b>Type of traction machine</b>	geared (asynchronous), gearless (synchronous)
<b>Cabinet placement</b>	machine room, shaft, platform, door frame
<b>Control system</b>	microprocessor-based
<b>Supported group control</b>	duplex, triplex, quadruplex
<b>Controller input voltage</b>	3 x 230/400 VAC, 50/60 Hz
<b>Fixture voltage</b>	24 VDC, serial communication
<b>Supported frequency inverters</b>	Frenic Lift – LM2, Ziehl-Abegg – ZAdynpro
<b>Frequency inverter power range</b>	4–32 kW
<b>Voice communication (emergency signalling)</b>	GSM
<b>Data communication (lift monitoring and setting )</b>	GPRS, Ethernet
<b>Operating temperature range</b>	0–40 °C ~ 32–104 °F
<b>Maximum number of stations</b>	60
<b>Maximum speed</b>	4 m/s
<b>Maximum load capacity</b>	5 000 kg
<b>Positional system</b>	absolute, magnetic

**BETACONTROL**

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# Design and location of cabinets



## Split cabinet for machine-roomless lifts (MRL)

- the control part of the cabinet is installed in the shaft door frame; the other part, which controls machine is installed in the shaft
- dimensions (W x H x D):  
120 x 2240 x 155 mm  
200 x 900 x 275 mm



## Cabinet for machine-roomless lifts (MRL0)

- the cabinet is installed in the corridor at the highest station
- dimensions (W x H x D):  
380 x 1800 x 250 mm



## Cabinet for lifts with machine room (MR)

- the cabinet is installed in the machine room
- dimensions (W x H x D):  
720 x 1000 x 290 mm



hydraulic



traction

- **Easy installation = long-term reliability**  
The system readiness for installation minimizes the occurrence of errors during the installation which could later affect the safety and reliability of the system.
- **Modern and proven components = high-quality guarantee**  
The use of component from renowned suppliers guarantees high quality at reasonable price.
- **Energy class A = low operating costs**  
The combination of the BC-NELA control system with the recommended drives meets the strictest requirements for electricity consumption and thus significantly decreases operating costs.
- **E-servis (web service) = on-line lift operation control and increased safety**  
Self-diagnostics of the control system combined with online lift control from the service center via the Internet increases servicing efficiency and quality.
- **New functions increasing the safety and comfort of residents = greater comfort**

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