

lifts



weighing BC-LMS.U

The BC.LMS is designed for weighing loads in the elevator car. The device consists of a control unit and sensors. The control unit reads the load values from the individual sensors. The total weighing value is then displayed on a four-digit seven-segment display and controls three galvanically isolated relays that switch when the pre-programmed weight is reached. It is also output to five open collector outputs that switch when 20 %, 50 %, 75 %, 100 % and overload are reached and a PWM modulated output 0-24 V. The status at the output can be blocked by the drive input (24 V). The advantage over the commonly sold units is the possibility of a diagnostic display of the values weighed by the individual sensors, thus making it more convenient to identify a possible fault.

Possible variations:

- BC-LMS.2 – two sensors
- BC-LMS.4 – four sensors
- BC-LMS.6 – six sensors
- BC-LMS.8 – eight sensors

Weighing unit:

kg

Power supply:

24 V

Electronic connection:

The control unit is powered from the lift bus and transmits data via the lift bus

Number of sensor:

1, 2, 3, 4, 6, 8 (in case of 6 and 8 sensors, 2 control units are connected))

Outputs:

- three galvanically isolated relays
- five open collector outputs that switch when 20 %, 50 %, 75 %, 100 % and overload are reached
- PWM modulated output 0-24 V output

Input:

elevator in motion to block exits

Maximum load:

4 t (4 sensors)

Maximum length of cables to the sensor:

9 m

Fuse for sensor power supply:

T 400 mA

Control unit dimension:

160 x 110 x 77 mm

Sensor dimensions:

190 x 46 x 48 mm

Technical parameters:

- maximum load 4 t (4 sensors)
- power supply 24 V from lift bus
- reading values from sensors after 200 msec



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