

## Short description



- 2 Aluminium IP65 double ended shear beams
- Pre-calibrated IP54 indicator
- High accuracy
- Durable design
- Suitable for elevator weighing
- Easy installation, plug and play
- Indicates when elevator is loaded for 90% of the capacity
- Determines if the elevator is overloaded
- Adjusts engine power to actual weight

## Set contains

Quantity	Capacity	Full article description
2	1t	L9A-1T-G5-1t-5B load cell
1		IP65 fully potted junction box
1		Top-Sensors EWS-1 Indicator

Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

## Detailed specifications L9A-1T Load cell

Accuracy class		G5
Output sensitivity ( = FS )	mV/V	1.0 ± 0.1
Maximum capacity ( E <sub>max</sub> )	t	1
Temperature effect on zero	%FS/10°C	≤± 0.5
Temperature effect on sensitivity	%FS/10°C	≤± 0.5
Creep	%FS/30 min	≤± 0.5
Non-Linearity	%FS	≤± 0.5
Repeatability	%FS	≤± 0.5
Hysteresis	%FS	≤± 0.5
Combined Error	%FS	≤± 0.5
Minimum dead load	Of E <sub>max</sub>	0%
Safe overload	of E <sub>max</sub>	150 %
Ultimate overload	of E <sub>max</sub>	300 %
Zero balance	of FS	< ± 2.0 %
Excitation, recommended voltage	V	5 ~ 15
Excitation maximum	V	18
Input resistance	Ω	380 ± 50
Output resistance	Ω	350 ± 20
Insulation resistance	MΩ	≥5000 ( at 50VDC )
Compensated temperature	°C	-10 ~ +40
Operating temperature	°C	-20 ~ +60
Storage temperature	°C	-30 ~ +70
Element material		Aluminium
Ingress Protection (acc. to EN 60529)		IP65

## Wiring

### Wiring:

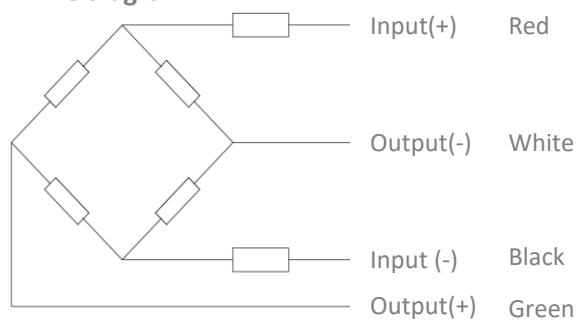
Shielded, 4 conductor cable.

Cable diameter: Ø3.8mm

Standard cable length: 5m

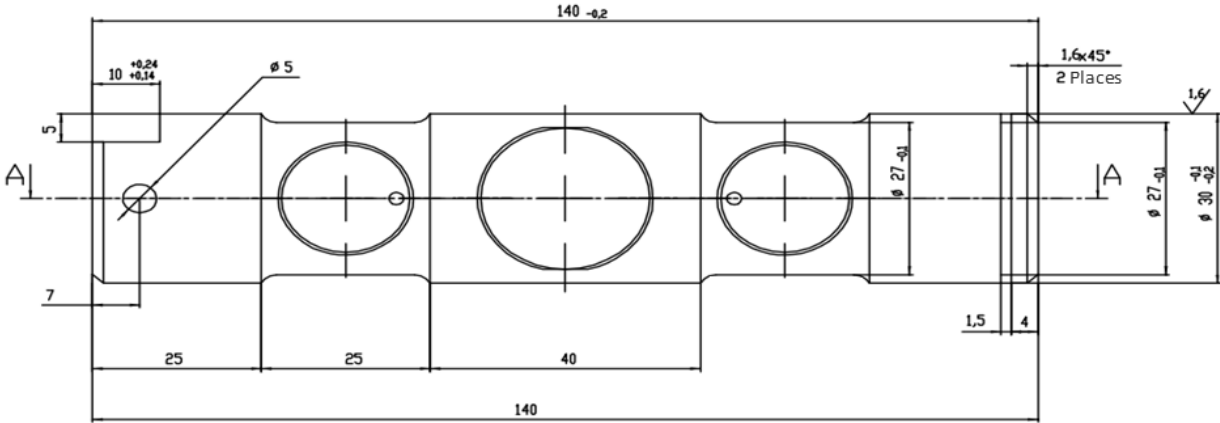
Shield not connected to element

### 4-wire diagram



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Dimensions in mm



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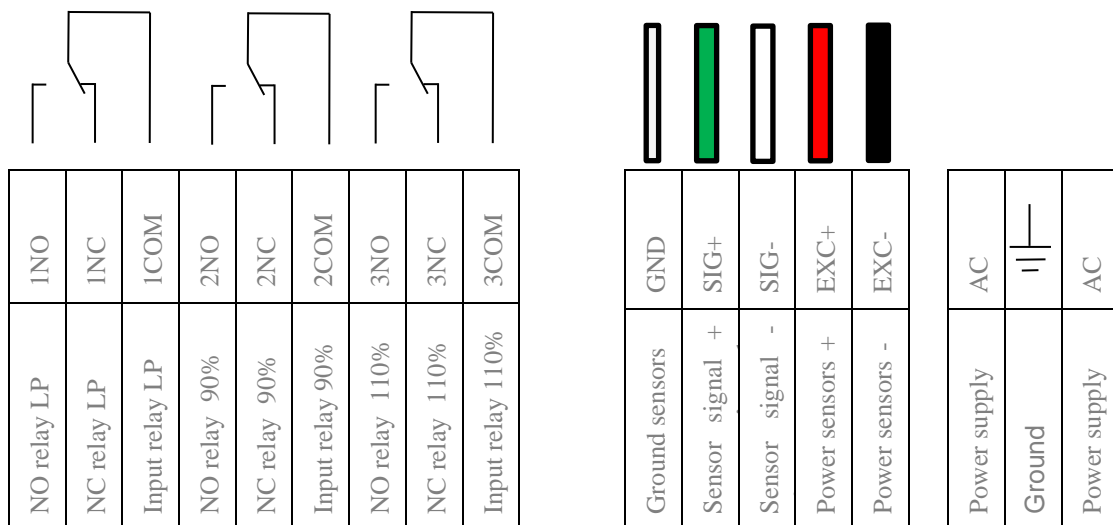
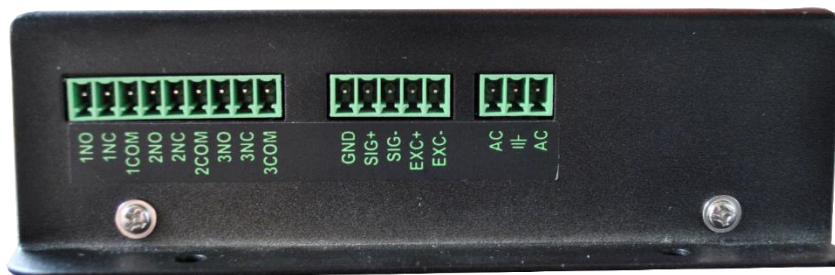
Nr. 2018.02 Elevator Weighing kit Into Springs Rev3

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## Technical features Top-Sensors EWS-1 indicator

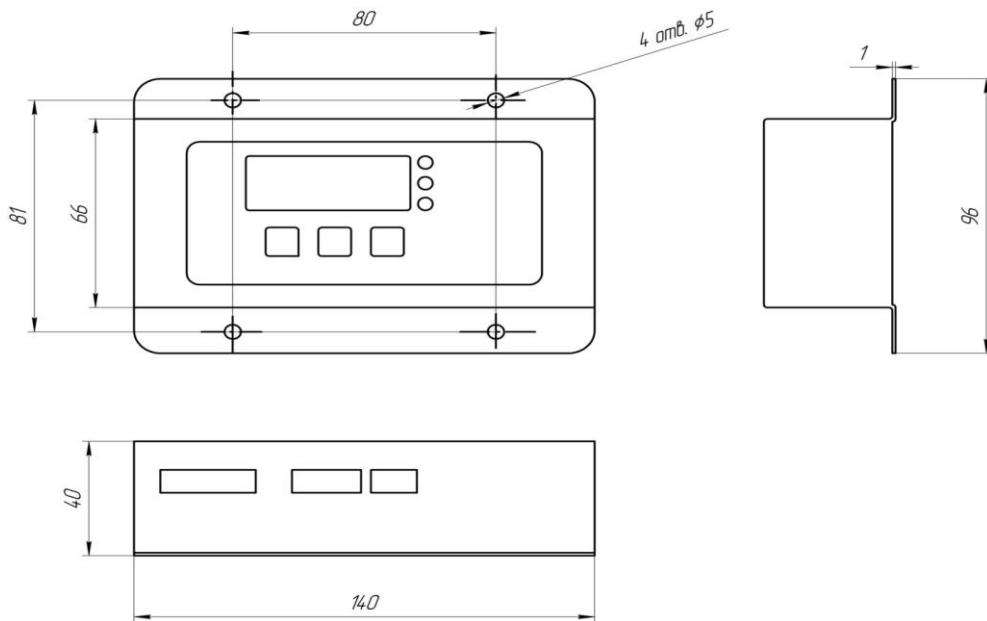
Power Supply	220 ± 20 V 50 ± 1 Hz
Power, no more than	5 W
Maximum current switched by relay outputs	10 A
Operating mode	continuous
Number of programmable relay outputs	3
Setting threshold range	Set in kg
passenger availability	0-50 kg
90%	0-3000 kg
110%	0-3000 kg
Number of digits of the display	4
Operating temperature range	-10 ~ +50°C
Humidity	15...95%
Degree of protection for IEC 60529 (DIN 40050)	IP54
Maximum load	Sum of individual loadcells
Maximum permissible short-time overload	150%
Lower limit of transformations	5 kg
Limits of the allowed reduced basic	± 1%
Maximum duration of the conversion cycle	2 s

## Connection diagram

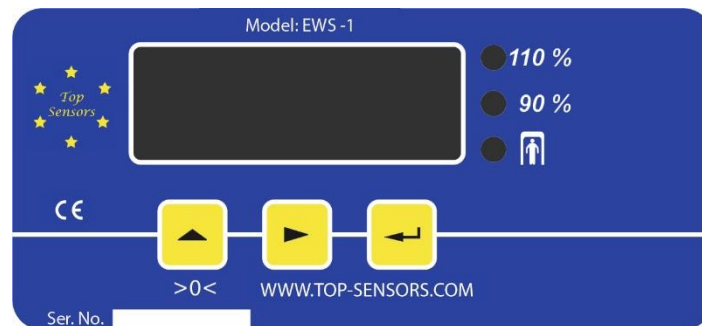


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## Dimensions in mm



## Display keys and settings



110%	LED Overload		Reset button / Scroll parameter / Increase value
90%	LED 90% Load		Select a digit / Scroll menu
	LED Child only in elevator (Only valid with Cabin Loadcells)		Turn on and off the display / Enter

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