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## PIAB 9:300B Electronic Unit

The PIAB 9:300B Electronic unit is mainly used together with one load cell / force transmitter in order to protect a lifting device against overload. It can also be used for other applications such as load indication. The PIAB 9:300B is very easy to install with screw terminal blocks and a back lit display. The unit is delivered programmed and adjusted to your required parameters from factory.



### PIAB 9:300B function:

The PIAB 9:300B can be used for connection to PIAB force transmitters and / or PIAB load cells (0 – 2mV/V). The signal from the force transmitter is processed and amplified by the programmable circuit board (PCB) of the electronic unit. The PIAB 9:300B has two relays and one analogue 4 – 20 mA signal output:

#### Relay 1

Limit 1 is used for warning or slack rope control.

#### Relay 2

Limit 2 is used for overload limitation and includes two set points: 2A and 2B. 2A has a possibility to set on- and off delay of the overload limit. 2B is used for a value that is greater than 2A and has no delay function.

#### 4 – 20 mA:

The analogue signal output can be used to transfer the load indication to your own system or to run a PIAB MICROBUS large format display.

### PIAB 9:300B safety:

The PIAB 9:300B Electronic Unit is self-checking. Any malfunction of load cell or cable will indicate overload. This informs the operator that the system is out of order.

### Transducer input:

0 - 2 mV/V.

### Operating voltage:

110 or 240 VAC.

### Working Temperature:

-20 to +70°C.

### Protection class:

IP 65 according to IEC 529 / NEMA 13.

### Switch Off Capacity:

8 A, 250 V AC

Is designed for use in aggressive industrial environment. The individual printed circuit boards are mounted on shock absorbing devices. The electronic is mounted into a lockable steel box (protection class IP 65).

The PIAB Electronic Units are self checking. Malfunction of system components (transducer, amplifier or cable) will indicate overload.

All connections are made to terminal blocks -Earth connections (ground) for power supply and signals are separated (to avoid interference).



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