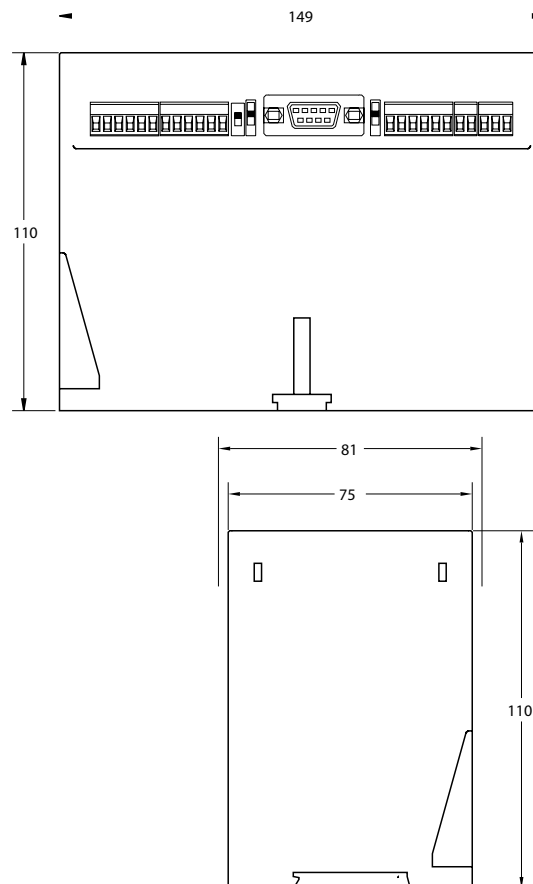# Electronic Limiter ALM-100N

Revisión 01 | Revisado por JN

airpes®

General information:

The electronic load limiter Model ALM-100N manufactured according the Norm EN 62061 and EN 14492-2 2010, designed to control overload, the slack cable and other desired points, as well as to register the spectrum of loads of elevation devices (Hoist) according the Norm UNE 58919.

It can control up to two devices realising the sum of both. It can be connected on any kind of weight sensor placed in: Fixed spur, retrieving pulley, trolley, rope, etc... Besides the control of the Safe Working Period (SWP) established by the Norm, it has several registers for the control of:

- Number of manoeuvres of elevation.

- Number of manoeuvres to impulses.

- Time of manoeuvre of elevation.

- Number of overloads.

- Number of bypassed overloads.

- Registration from the last 500 overloads, with date, hour,

value from the overload and duration of the overload.

- Activation of the revision by number of hour or date.

Characteristics:

- 2 Weight entries
- External Tare entry
- 8 programmable limits
- Ascendant and descendant congurable delays
- Visualisation through LCD display of 5 digits 0,4" alphanumeric and with backlight
- 5 keys for the programming and conguration of the system
- Congurable parameters by software
- Software updating trough Laptop PC
- RS-232-C bidirectional connection
- 8 Output relays (6A 250V) and 6 Input relays (48...220V AC or DC)
- Extended range power supply 48V...220V AC (Optional 24V DC)
- Multipoint adjustment for cells or non-lineal applications
- Bi-directional RS-422 or 485 connection
- Output voltage 0...10V
- Output weight repeater for push button display by cable
- Output for giant display
- Data protection trough security code
- Redundant security control from software and hardware
- Fast response time control for the elevation and stable in static.
- Output current 0...20mA or 4...20mA (Optional)
- Load limiter by zone (Optional)
- Temperature -10ºC +50ºC
- Humidity 15% - 85%