

INDILOAD

MARK 1 DIGITAL LOAD LIMITER

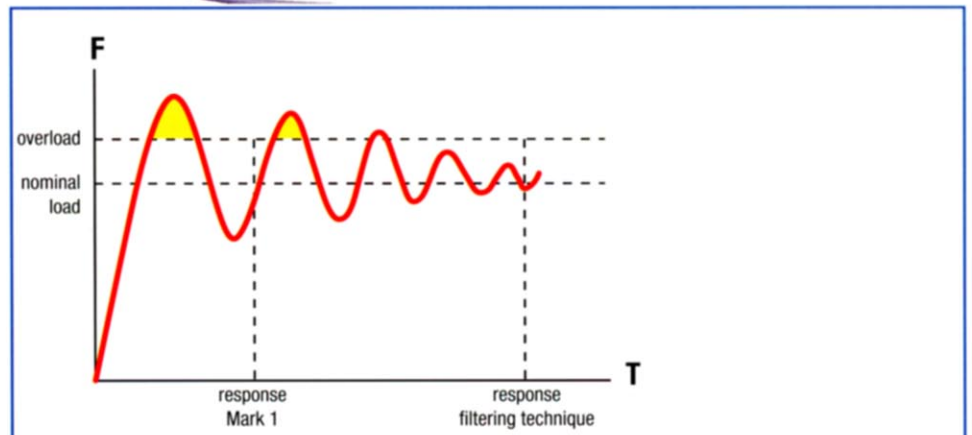


The digital Mark 1 load limiter is operated by a microcontroller that :

- monitors dynamic effects in real time
- carries out a constant self-check
- monitors overload and slack rope
- generates a 0-10 V calibrated output that can drive displays, frequency converters, PLC, ...
- accepts load cell inputs in mV and mA

Extremely user-friendly adjustment ...

- take the zero load (usually only the hook), push the button ...
the zero reference is adjusted
- take the nominal load, push the button ...
the overload is adjusted



DYNAMIC FORCES

Dynamic effects occur when using hoisting devices. When "quick starting" or "inching", conventional load limiters equipped with a timedelay and filter can interpret dynamic effects as an overload condition. This can result in a stop of the hoisting device and can also cause extra wear.

The INDILOAD Mark 1 is equipped with mathematical processors and specially developed algorithms that can interpret these dynamic effects in "real time". So, the response time of the Mark 1 is much shorter than with conventional load limiters. This unique system thus guarantees increased safety during use, less wear, cost saving and user-friendliness.

Kibele

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SPECIFICATIONS

ELECTRICAL	Relay	2 change-over contacts
		contact load : 250 VAC/2 A
	Safety features	in case of power supply failure, short-circuit or cable-break, automatic switch over to safety condition
		continuous check of load cell
		autotest of hardware and load cell with start up
	Load cells	mV output : 0,3 to 2,0 mV/V
		4...20 mA output : 20 mA > 150 %
	Analogue output	0 –10 V
	Power supply	48/110/230 VAC (+/- 10%), 50/60 Hz
		consumption : 4 VA
MECHANICAL	Housing	metal box dimensions : 300 x 150 x 80 mm
		protection : IP 54
		weight : 3,3 kg
ENVIRONMENTAL	Temperature	operating temperature : - 10 °C to + 60 °C
		storage temperature : - 40 °C to + 85 °C



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