

## Load limiter device for elevators



## VK Load limiter device

VK Load limiter devices, with the accuracy of 0.1%, are distinguished in the market for their great versatility in adapting and resolve any potential requirement as load limiter device for elevators.

Although this device only has one input channel, it could be used in scenarios with several load cells or sensors by using Dinacell summing boxes. This limiter is applicable in any measuring system like in ropes, chassis, under cabin, under bedframe, etc.

Among the wide variety of VK unit, different firmware's included. Based on each model, different main features are included as:

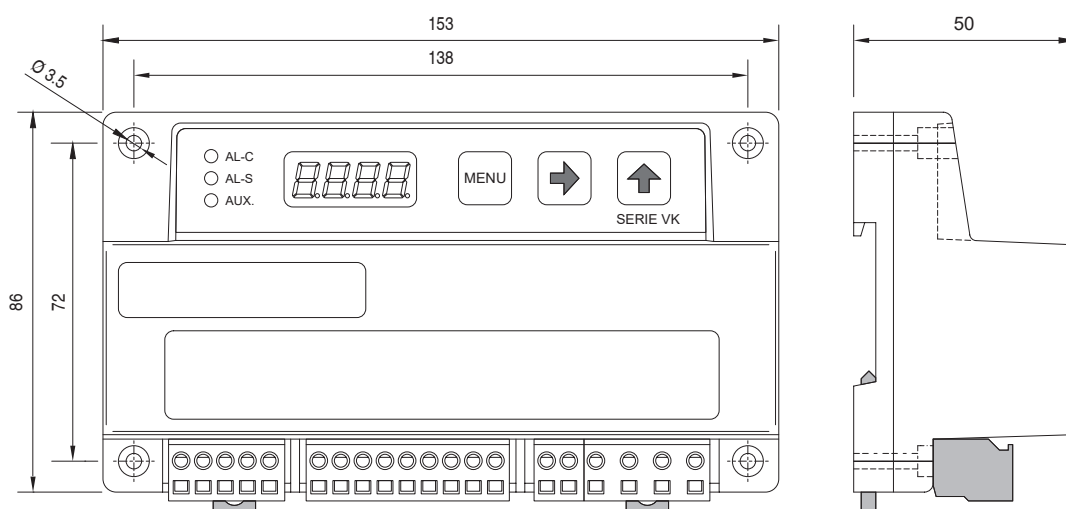
- Error detection
- Chain compensation.
- Three alarm relays.
- Inhibition input (Hold).
- Short-circuitable power supply (no fuse required).

## Specifications

Parameter		Units	Specifications				
Models		-	VK-3	VK-3SV <sup>(1)</sup>	VK-3V	VK-3i	VK-30C
Cell signal	Input range	mV/V	± 3.2				
	Input channel	-	1				
Accuracy		-	0.1%				
Power supply	AC	VAC	230 / 115 / 48				230
		Hz	50 ... 60				
	DC	VDC	-	24			-
Maximum power consumption		W	5				
Maximum number of 350 Ω cells		-	10				
Temperature range	Working	°C (°F)	-10 ... +65 (+14 ... +149)				
	Storage		-20 ... +70 (-4 ... +158)				
Relay	Max. voltage	VAC	250				
	Max. current	A	3				
	Number	-	3				
	Contact	-	Switching	Usually open			
Alarms		-	3				
Analog outputs	4-20 mA	-	-	-	-	✓	-
	0-10 V	-	-	-	✓	-	-
Cabin display MB output		-	✓				
Hold Input		VAC/DC	24 ... 230				
Interface	Display digits	-	4				
	Keys	-	3				
	LEDs	-	3				
Casing material		-	Fireproof plastic ABS				
Fixing		-	DIN rail				
Protection class		-	IP50				

(1) VK-3SV is a device with a firmware specially designed to work with SV cells.

## Dimensional Drawings (mm)



## Product Reference



Product Ref.	Model	Power supply
000688	VK-3	230 VAC
000717		115 VAC
000994	VK-3SV	230 VAC
002179		115 VAC
001069		24 VDC
001698	VK-3V	230 VAC
002076		115 VAC
007849		48 VAC
002407		24 VDC
000720	VK-3i	230 VAC
001028		115 VAC
008366		48 VAC
002285		24 VDC
006118	VK-30C	230 VAC

For more information

[www.elevatormotors.com](http://www.elevatormotors.com)

ELEVATOR MOTOR CORPORATION. (EMCO)  
 80 Carolyn Boulevard,  
 NY- 11735 Farmingdale, USA  
 Phone. (+1) 6312934440  
 Fax. (+1) 6312932714



**Document Ref.: D1729-01**  
**Publication date: 21/03/2022**

OFFICIAL USA DISTRIBUTOR OF DINACELL ELECTRÓNICA S.L.

Dinacell Electrónica S.L. reserves the right to add, modify and/or delete content of the document without prior notice. The content indicated here should be used as general product information. It should not be interpreted as a guarantee of quality or durability.