

VK

Load limiter device for elevators



More information



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 firmwares 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 ⁽¹⁾	VK-3V	VK-3i	VK-30C
Cell signal	Input range	mV/V	±3.2				
	Input channel	-	1				
Accuracy		-	0.10%				
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	Maximum voltage	VAC	250				
	Maximum current	VAC	3				
	Number	-	3				
	Contact	-	Switching	Normally 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 V0				
Fixing		-	DIN rail				
Protection class		-	IP50				

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

Dimensional Drawings (mm)



