

Load limiter for elevators,
with individual data reading
for each sensor



CSA B44.1/ASME A17.5



OMEGA Load limiting device

Omega devices are load limiters and rope tension control units. These controllers can obtain the individual data reading from up to 16 sensors. The unit can be connected to any controller through relay alarms or analogue outputs, as well as CAN communication.

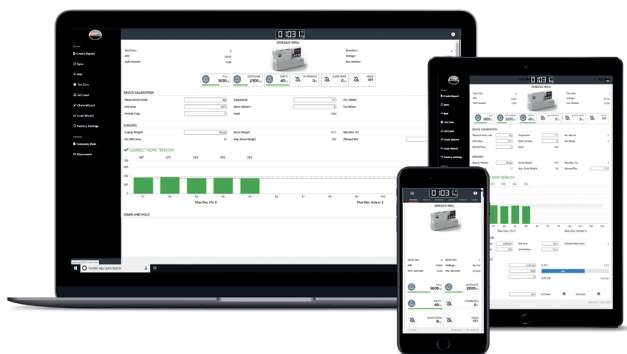
Features:

- 4 relays and 5 alarms (full-load, overload, empty cabin, slack ropes, broken rope).
- NG technology, with firmware updating via USB.
- Sensor failure detection.
- Chain compensation via software or hardware.
- Short circuitable power supply: fuse not required.



Get the best of performances
by using app Tools ng2

Within the OMEGA range of products, some of them integrates Dinacell NG technology. The technology allows firmware updating and the possibility of connecting our device (1) GD-WiFi. This accessory allows to configure, calibrate and get accurate information of the installation status in any device compatible with Tools ng2 App.

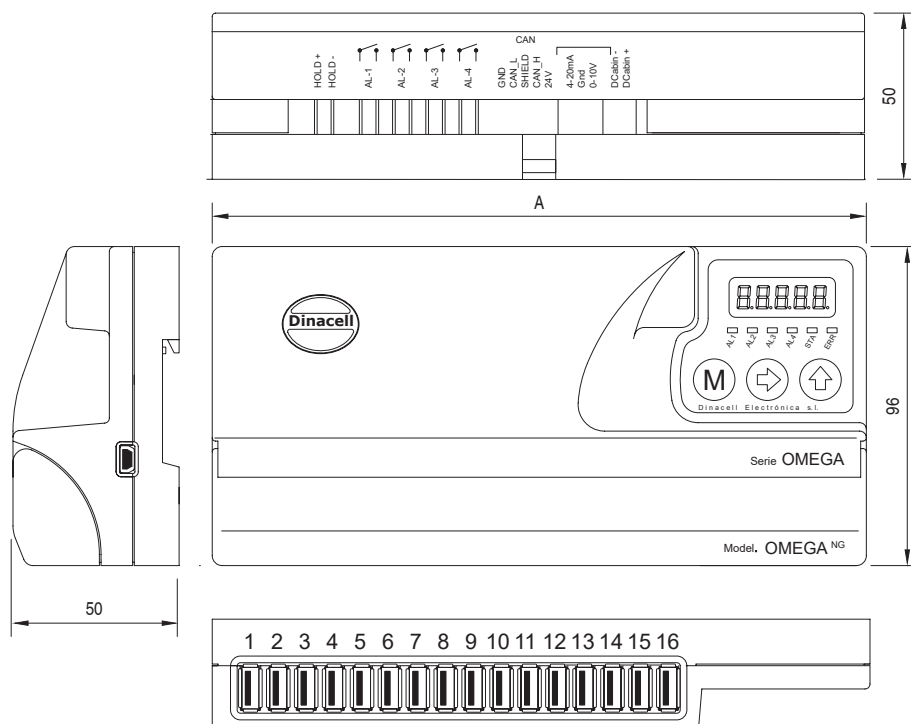


(1) GD-WiFi. (For NG technology devices).

Specifications

Parameter	Units	Specifications																	
		OMEGA6-4RMA	OMEGA6-4R5V	OMEGA6-4R	OMEGA6-C	OMEGA6-Ca	OMEGA12-4RMA	OMEGA12-4R5V	OMEGA12-4R	OMEGA12-C	OMEGA12-Ca	OMEGA16-4RMA	OMEGA16-4R	OMEGA16-C	OMEGA16-Ca				
Models	-																		
Cell signal	Input range	mV/V	± 3.1																
	Input channel	-	6				12				16								
Accuracy	-	0.03%																	
Power supply	VDC	10 ... 40																	
Maximum current consumption	mA	<200																	
Temperature range	Working	°C (°F)	-10 ... +65 (+14 ... +149)																
	Storage	°C (°F)	-20 ... +70 (-4 ... +158)																
Relay	Max. voltage	VAC	250																
	Max. current	A	3																
	Type	-	NO																
	Number	-	4				-				4				-		4		-
Alarms	-	5																	
Analog outputs 0-10V / 4-20mA / 0-20mA	-	✓	-	-	-	✓	✓	-	-	-	✓	✓	-	-	✓				
Analog outputs 0-5V	-	-	✓	-	-	-	-	✓	-	-	-	-	-	-	-				
CANopen-Lift CIA 417 (Isolated)	-	-	-	-	✓	✓	-	-	-	✓	✓	-	-	✓	✓				
Cabin display MB output	-	✓	-	-	-	-	✓	-	-	-	-	✓	-	-	-				
NG technology (with USB for firmware upgrade)	-	✓																	
Hold Input	VAC/DC	12 ... 125																	
Interface	Display digits	-	5																
	Keys	-	3																
	LEDs	-	6																
Casing material	-	Fireproof plastic ABS																	
Fixing	-	DIN rail																	
Protection class	-	IP50																	

Dimensional drawings (mm) and wiring diagram



Models	OMEGA6 OMEGA12	OMEGA16
A	165	200

OMEGA6 / OMEGA12 / OMEGA 16 Product Reference



Ref.	Model	Input channel
011370	OMEGA6-4RMA	6
011480	OMEGA6-4R5V	
011196	OMEGA6-4R	
021406	OMEGA6-C	
021407	OMEGA6-Ca	
011368	OMEGA12-4RMA	12
011192	OMEGA12-4R5V	
011224	OMEGA12-4R	
019955	OMEGA12-C	
021408	OMEGA12-Ca	
021198	OMEGA16-4RMA	16
021199	OMEGA16-4R	
021197	OMEGA16-C	
021200	OMEGA16-Ca	

Accessories: GD-WiFi (For NG technology devices)



Ref.	
	018512

For more information

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Document Ref: D1730-03
Publication Date: 21/03/2022

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