OMEGA

Load weighing unit for elevators, with individual data reading on each sensor

OMEGA Load limiting device

Omega devices are load limiters and rope tension control units. These controllers could obtain the individual data reading up to 12 sensors. The unit is 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.
  · Adjust the rope tension with a well known weight.

Get the best of performance by using app **Tools ng 2**

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 *GD-WiFi*[1]. This accessory enables to configure, calibrate and get accurate information of the installation status in any device compatible with Tools ng 2 App.

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

Specifications

Parameter		Units	Specifications							
Model		-	OMEGA6-4RMA	OMEGA6-4R	OMEGA6-C	OMEGA6-Ca	OMEGA12-4RMA	OMEGA12-4R	OMEGA12-C	OMEGA12-Ca
Cell signal	Input range	mV/V	± 3.1							
	Input channel	-	6 USB				12 USB			
Accuracy		-	0.03%							
Power supply		VDC	10 ... 40							
Maximum power consumption		mA	< 200							
Maximum number of 350 Ω cells		-	6				12			
Temperature range	Working	°C (°F)	-10 ... +40 (+14 ...+104)							
	Storage		-20 ... +70 (-4 ... +158)							
Relay	Max. voltage	VAC	250							
	Max. current	A	3							
	Number	-	4		-		4		-	
Alarm		-	5		-		5		-	
Analog output **4-20 mA / 0-20 mA / 0-10 V**		-	✓	-	-	✓	✓	-	-	✓
CANopen-Lift CIA 417		-	-	-	-	✓	✓	-	-	✓
Cabin display MB output		-	✓	-	-	-	✓	-	-	-
NG technology (USB for firmware upgrade)			✓							
Hold input		VAC/DC	12 ... 125							
Interface	Display digits	-	5							
	Keys	-	3							
	LEDs		6							
Box material		-	Fireproof plastic ABS							
Fixing		-	DIN rail							
Protection class		-	IP50							

Dimensional drawings (mm)