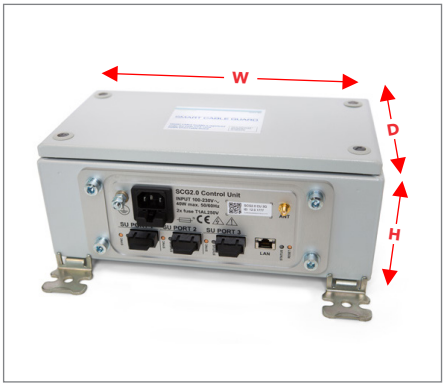
SCG 2.0 CONTROL UNIT - LTE-M



General description

The control units are the heart of the locally installed Smart Cable Guard systems. The connection between the control unit and the sensors is made by a fiber optic cable. Each control unit can handle a maximum of 3 sensors, used to monitor a maximum of three power cables.
The control unit connects through the internet to the DNV Control Center server by using an LTE-M (4G) or LAN connection.

TECHNICAL DATA

Storage conditions

Temperature (°C)	-25 to +70°C
Temperature (°F)	-13 to +158°F
Relative humidity	95% max. @55°C/130°F (non-condensing)

Operating conditions

Temperature (°C)	-10 to +55°C
Temperature (°F)	+14 to +131°F
Relative humidity	95% max @55°C/130°F (non-condensing)

Physical

Weight (kg)	3.4 kg
Weight (lbs)	7.5 lbs

Dimensions D x W x H (mm)

Enclosure	300 x 150 x 120 mm
Including brackets	300 x 228 x 132 mm

Dimensions D x W x H (in)

Enclosure	11.8 x 5.9 x 4.7 in
Including brackets	11.8 x 9.0 x 5.2 in

Mains power

Input voltage power	100-230 Vac, 50/60 Hz
Consumption internal	10 W (average), 35 W (peak)
UPS uptime	at least 5 min (after 10 years of use)
Internal UPS technology	supercapacitors (no maintenance)

Connections

Mains power	IEC 60320 C14
Safety earth	M6 terminal
Ethernet port (LAN)	RJ45, 8 pins
Fiber optic	SC type
Antenna	Female SMA

Internal modem

Type	LTE-M (4G)
Bands	1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 26, 28
SIM card slot	Micro (3FF)

Standards

General requirements	IEC 61850-3
Ingress protection	IP31

Warranty Hardware 2 years

Version SCG2.0-CU-4G-r3

Global
DNV Netherlands B.V.
Utrechtseweg 310-B50
6812 AR Arnhem
The Netherlands
Tel: +31 26 356 9111

Americas
DNV Energy USA Inc.
1400 Ravello Drive
77449 Katy
Texas, USA
Tel: +1 281 396 1000

China
DNV China Company Ltd.
Building no. 8,
Hongqiao Road no. 1591
Changning, Shanghai, PRC
Tel: +86 213 279 9000

India
DNV Energy India Pvt Ltd.
N1201, 1 Dr. Rajkumar Road
WTC/BGC n26,
560055 Bangalore, India
Tel: +91 802 308 1100

Southeast Asia
DNV Singapore Pte. Ltd.
16 Science Park Dr.
118227 Singapore
Tel: +65 6508 3750

Email: scg-info@dnv.com
www.dnv.com/smartcableguard