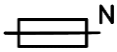
Smart Cable Guard Safety Manual

Attention

When entering and working in a substation, standard substation security must be observed at all times.

Safety Symbols and Terms

The following symbols and terms appear on the equipment or in the manual. The symbols and terms alert you to important safety considerations.

	This symbol warns of a potential risk of electrical shock
	This symbol is used to warn the user to be cautious and to refer to this manual for more instructions.
	This symbol is used to denote a protective earth (ground) connection.
	This symbol is used to denote a functional earth (ground) connection
	This symbol is used to indicate that the neutral is fused as well.
Attention	The **Attention** term indicates a potential hazard. It calls attention to a potential procedure, practice or condition which, if not followed, could possibly cause damage to the equipment, or could possibly cause bodily harm or death. If an **Attention** is indicated, do not proceed until its conditions are fully understood and met.

General attention points

Attention

Do not use the equipment in a manner not specified by the manufacturer. Any incorrect use of the equipment could possibly result in damage to the equipment, bodily harm or death.

Attention

The control unit and sensor must be handled with care. Do not bump or drop any part of the control unit or sensor.

Attention

Do not replace the mains power cable by any cable other than specified by the manufacturer.

Attention

Use the sensor unit only with the supplied AC/DC adapter.

Attention

Information in this manual is subject to change without notice.

Installing the control unit

1. Before installation, make sure that the power cable is disconnected from the control unit.

   Attention

   The control unit must be mounted vertically with the connectors facing down to avoid ingress of dust and water.

2. Connect the safety earth of the control unit to the earth rail of the station with a copper wire of at least 2.5 mm^2.

   Attention

   To avoid the risk of electrical shock, connect the safety earth of the control unit to the earth rail of the station.

When connecting the SIM card

1. Disconnect the power cable from the control unit

   Attention

   To avoid electrical shock, disconnect the power cable from the control unit before opening the top cover.

   Attention

   Directly after disconnecting the power cable the internal UPS is still charged to a voltage of 6 volts. To prevent permanent damage to the device, prevent short-circuiting any internal parts of the control unit.

2. Wait until the UPS is completely discharge before proceeding to the next step. This can be checked by seeing the green LED light on the modem board, which should be off.

Installing the sensor

1. Before installation, make sure that the power cable is disconnected from the sensor.
2. Connect the earth connection of the sensor to the earth rail of the station with a copper wire of at least 2.5 mm^2.

see full installation manual:
https://www.dnv.com/scg2downloads/