EN

OPTI-TEMP

Installation and maintenance guide

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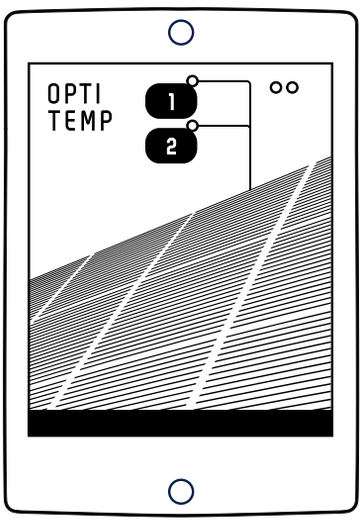
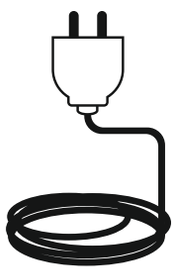
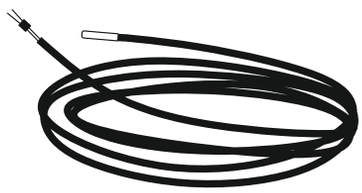
1× 

1× 

1× 

1 DEVICE DESCRIPTION

OPTI-TEMP (G433) is an optional device of OPTI-ENER system that enables to manage energy surpluses for heating purpose. In most cases the controller is used to heat-up a domestic and heating water or air – by any resistance heating elements.

a Controller has been equipped with **variable voltage regulator** to supply resistance heating element e.g. electric heater. Power of electric heater will be adjusted to actual energy surpluses measured constantly. To provide proper work of the device it is required to set up a „Supply power" correctly at electric heater regulation at opti-ener.com. OPTI-TEMP is able to control electric heater up to 2000 W. OPTI-TEMP has two addition potential free contacts with following parameters – 230V AC and maxiumum load 16 A.

b **Temperature measure** allows to turn on/off heating element after exceeding desired values. NTC temperature sensor (10 kOhm) is a part of OPTI-TEMP set. In case of extraordinary measure conditions to unblock setting range please put 20-30 kOhm resistor to temperature sensor input.

It is possible to install 3 addition temperature sensor although they do not take a part in control.

c Potential free contacts can be turned on manually for 60 seconds by pushing manual switch on the cover of OPTI-TEMP. Thanks to OPTI-ENER user is also able to control supply power automatically according to energy surpluses or time schedule. Settings are available at website opti-ener.com

2 CONNECTION TO SUBNETWORK

CAUTION: If your OPTI-ENER system contains two optional modules Converter PV and OPTI-TEMP than please make sure to connect the OPTI-TEMP module first.

Connection steps:

I Connect the power cable to OPTI-TEMP.

II Connect communication wires to port RS485 in OPTI-TEMP module and port RS485-2 in OPTI-ENER module or Radio G931.

III Push the B2 button at the top of the OPTI-ENER cover (diode LED2 should blink).

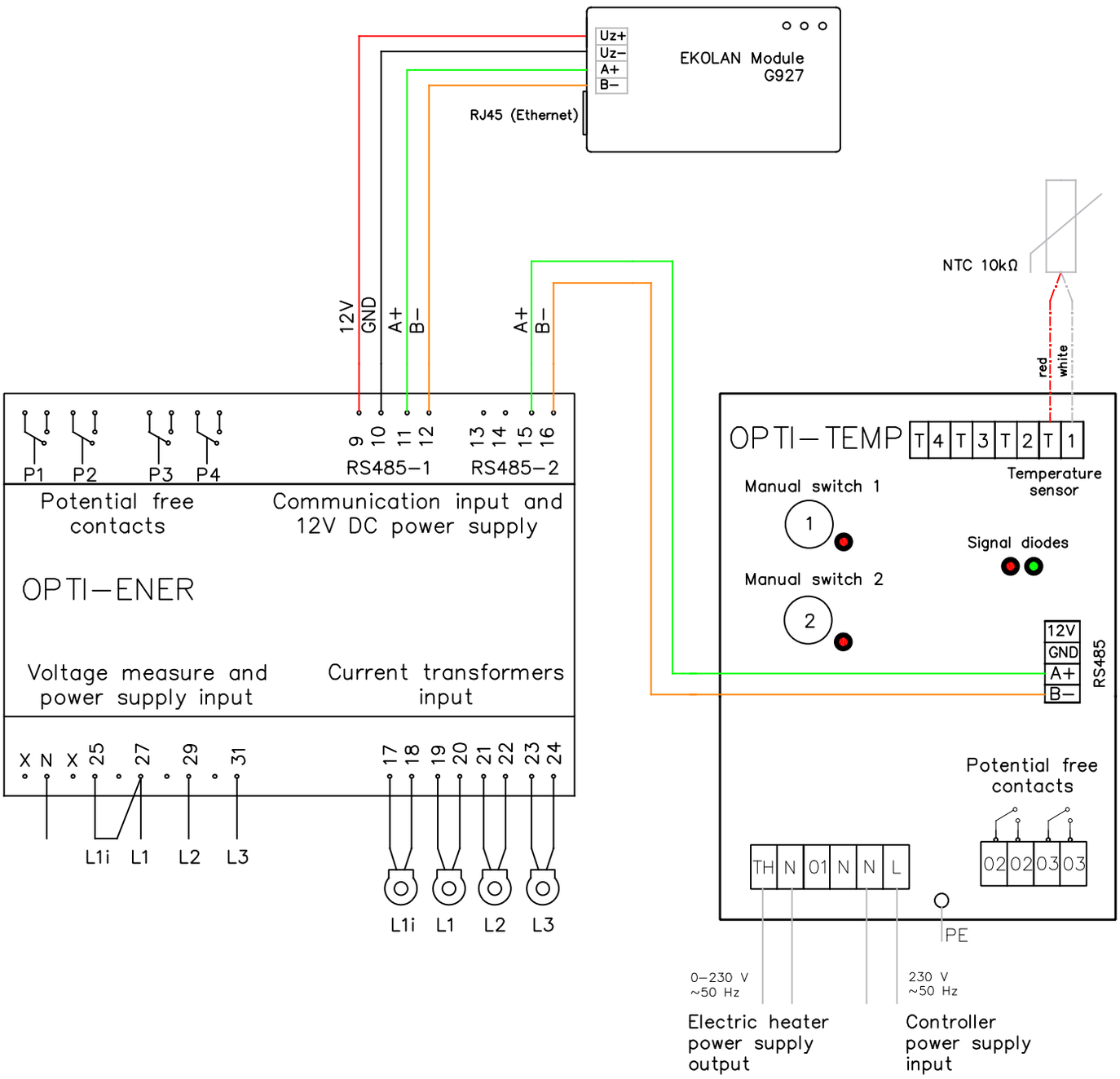
If the connection will be successful than signal diodes at OPTI-TEMP will start pulsing. In addition at opti-ener.com at Scheme and also at Settings menu in Parameter Settings card new control settings should appear. In case of connection failure please reset the OPTI-ENER module by pushing and hold B2 button until LED1; LED2 diodes will turn on and repeat steps I-III.

CAUTION: In order to restore fabric settings please make a short-circuit of 3-rd and 4-th (up) pins mounted at OPTI-TEMP printed circuit board. Pins are located in distance of 1,5 cm (0,6 inch) on the right side of manual switch 2.

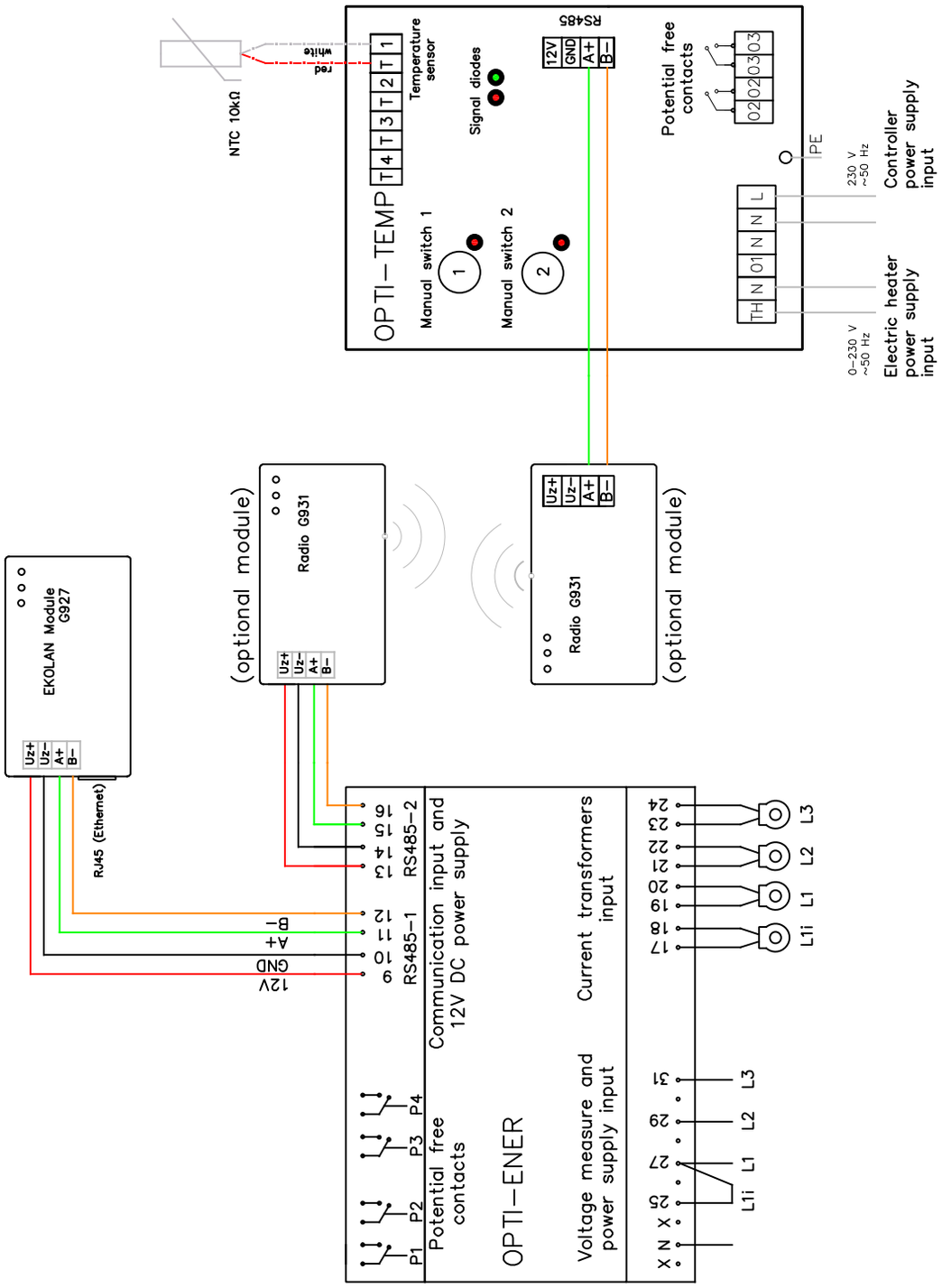
07.11.2017

Fig. 1. OPTI-TEMP installation scheme

1. Wire



2. Wireless



3 INFORMATION ON MARKING AND COLLECTING USED ELECTRICAL AND ELECTRONIC EQUIPMENT

A symbol found on the product or its packaging points to the necessity of separate collection of used electronic equipment. This means that the product must not be thrown away together with other household waste. Correct disposal of old and used electrical equipment may help to avoid potential damage to the environment and human health. A user who should give the used equipment to a collector should be responsible for separate collection of used electronic equipment.

To download current technical documentation please scan following code:

CAUTION!

Device is not destined to be used by children and people with limited physical abilities, physical feeling or psychical disorders. It should not also be used by people who do not have proper experience or knowledge unless they were instructed or supervised by qualified personnel.

07.11.2017