

HANDY PROGRAMMER FOR COMMUNICATION PARAMETERS

Palmarino³ is a portable programmer allowing the configuration of communication parameters for Quad burner control system.

Peripheral address selection by means of dials allowing 36 most used alphanumeric combination for segment (zone) and node (unit).

Internal dipswitch for timeout setting.

A single push button to write the address into linked Quad, configuration can take place only if the Quad is forced in manual shutdown mode (display 0).



SAFETY INFORMATION

Read and understand this manual before installing, operating, or servicing this unit. This unit must be installed according to this manual and local regulations. The drawings may show units without covers or safety shields to illustrate details. Disconnect power supply and follow all usual safety precautions before carrying out any operation on the device. Be sure to reinstall covers or shields before operating any devices.

The device is not user serviceable, a faulty device must be put out of order and sent back for servicing.

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RECEIVING

Please perform the following tasks after receiving the Palmarino³:

- Inspect the unit for damage. If the unit appears damaged upon receipt, contact the shipper immediately.
- Verify receipt of the correct unit by checking the label (back side).
- If you have received the wrong model or the device does not function properly, contact your supplier.



INSIDE

Devices supplied from main power supply are provided with transformer, terminals [1] and fuse [2].

Four different options are available for communication timeout that can be set by means of internal dipswitch [3]:

- OFF (DEFAULT)
- 08 sec
- 16 sec
- 32 sec

Detailed information on communication parameters are available on specific device technical literature.



OPERATION

Push the front button on the Quad you want to configure to force it into MANUAL SHUTDOWN mode.

Select the address identifier by means of dipswitches on the front panel of Palmarino³ then push the WRITE key to program the unit: display on Quad will change to a dash during writing operation.



All the writing and checking operations are carried out, then a green indicator OK will inform you that everything is completed successfully, or a red indicator ERROR will inform you if a problem occurred and the procedure must be repeated.

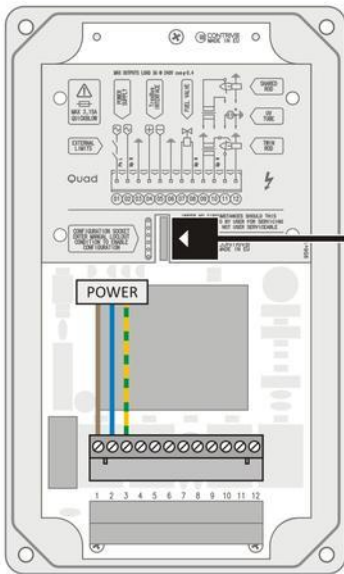
To prevent problems it's better that all neighbor burners are turned off during the configuration.

Remember that only 1 master is allowed on TraxBus and all connected peripheral must be turned off, disconnected or inactive (i.e.: lockout).

ORDERING GUIDE

Palmarino³ is available in 5 different version. Socket interface type is powered from the interface. Other versions requires a power supply from main network: 115 or 230Vac.

CODE	DEVICE	INTERFACE	SUPPLY [Vac]
1470.00.01	Palmarino ³	SOCKET	
1470.30.02		232	115
1470.40.02			230
1470.30.03		TRAX	115
1470.40.03			230

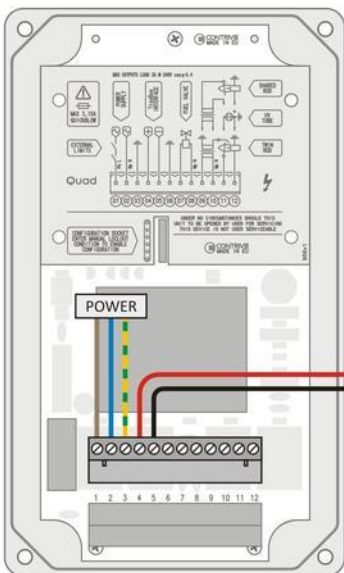


Palmarino³. SOCKET

This version is suitable for direct link to programming / expansion internal socket, power supply is provided by Quad.

Once the unit is ready for operation the green indicator READY is on.

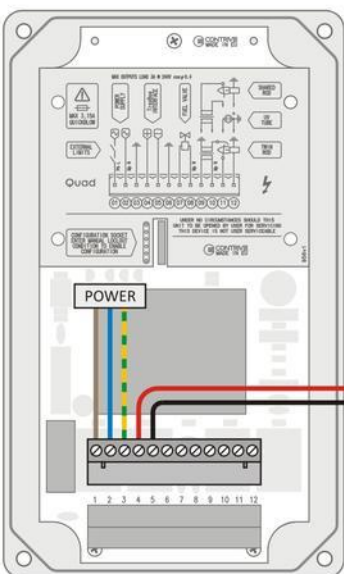
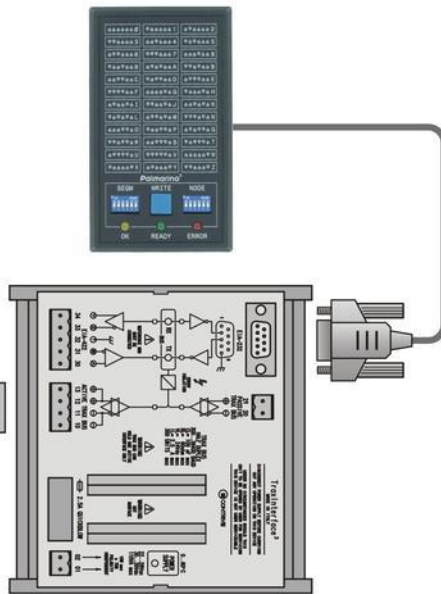
The main communication line at terminal 3 and 4 is disabled when the socket is linked.



Palmarino³.232

When one or more Quad are already linked on a TraxBus driven by a TraxInterface³, disconnect the master controller from the EIA / RS232 interface and connect Palmarino.232 (must be supplied separately).

Once the unit is ready for operation the green indicator READY is on.



Palmarino³.TRAX

To configure a single Quad from the TraxBus link available at main terminal board use Palmarino.TRAX that must be supplied separately.

Once the unit is ready for operation the green indicator READY is on.



TECHNICAL DATA

MAIN POWER SUPPLY

VOLTAGE	115 V _{AC} / 230V _{AC} ±20%
FREQUENCY	50 ... 60 Hz
LINE FUSE	1 A QUICKBLOW - 5x20mm
POWER CONSUMPTION	5 VA MAX

SOCKET POWER SUPPLY

VOLTAGE	12 V _{DC}
POWER CONSUMPTION	5 W MAX

ENVIRONMENT

OPERATING TEMPERATURE	0 ... 60 °C
STORAGE TEMPERATURE	-20 ... 80 °C
PROTECTION CLASS (EN 69529)	IP20
RELATIVE HUMIDITY	30 ... 90% NON CONDENSING
OPERATING POSITION	ANY

TraxBus INTERFACE

TYPE	ASYNCHRONOUS HALF DUPLEX
ALLOWABLE PERIPHERALS	1
BAUD RATE	4800 ... 38400 AUTOMATIC SELECTION
BUS VOLTAGE	24 V _{DC} MAX
BUS CURRENT	25 mA MAX

EIA-TIA RS232

DATA FORMAT	SERIAL ASYNCHRONOUS UART/NRZ
DEVICE TYPE	DTE
SIGNAL	5=GND, 3=TXD, 2=RXD

SOCKET INTERFACE

TYPE	ASYNCHRONOUS MULTIDROP HALF DUPLEX
BAUD RATE	4800 ... 38400 AUTOMATIC SELECTION
LINE VOLTAGE	12 V _{DC} MAX



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