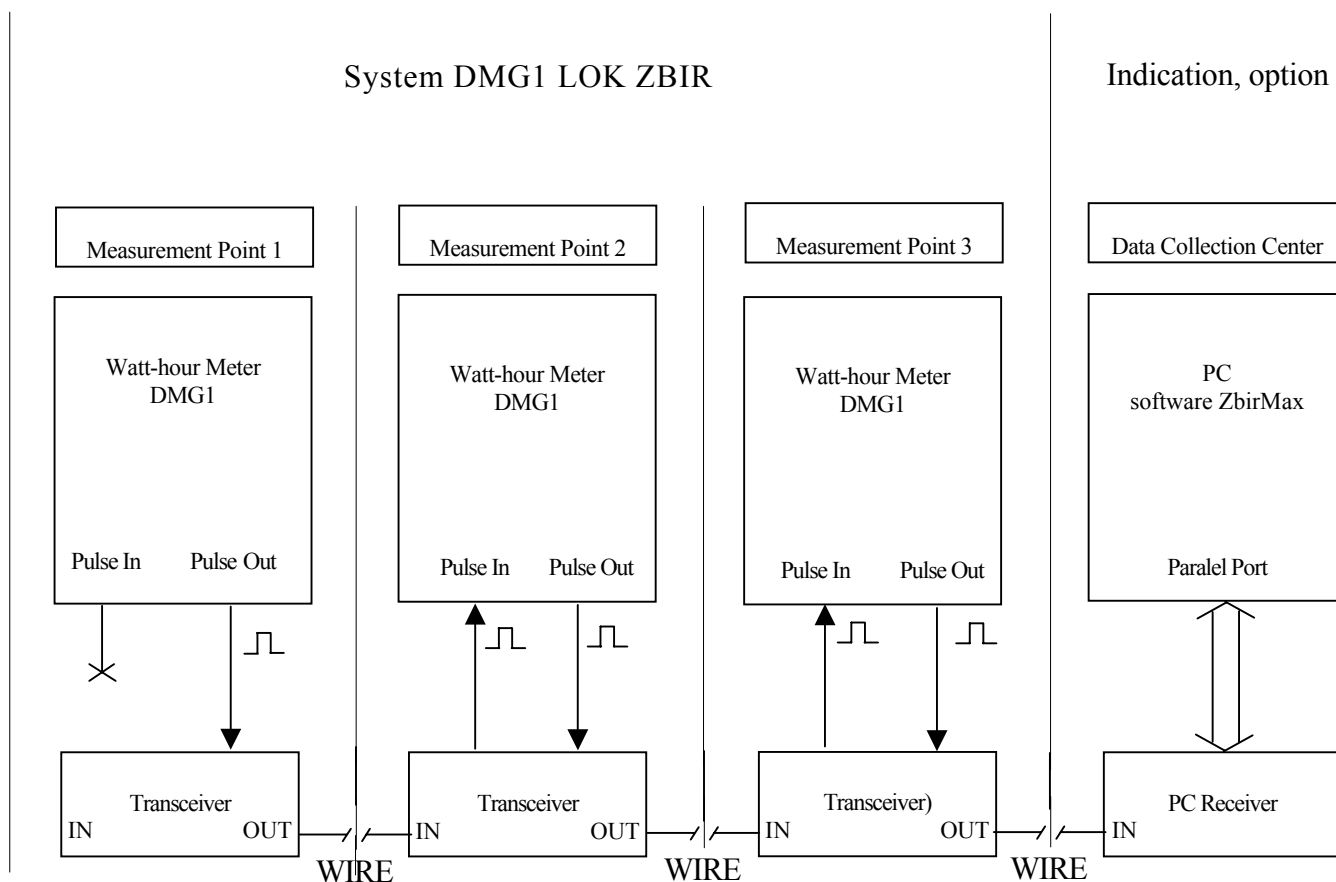


DMG1 LOK ZBIR

SYSTEM FOR MEASUREMENTS OF TOTAL ENERGY AND UNITED DEMAND INDICATOR IN LOCAL PLACED WATT-HOUR METERS

System **DMG1 LOK ZBIR** is intended for measurements of total energy and united maximum demand indicator in local placed watt-hour meters. System is based on digital meter DMG1 capable to measure energy for place of installation as well as total energy for a lot of neighborhood meters, simultaneously.

System **DMG1 LOK ZBIR** has daisy chain structure.



The first meter DMG1 in daisy chain structure measures energy for its measurement point 1, only. Pulse output representing measured energy is sent to the next neighborhood meter DMG1 simultaneously measuring energy for measurement point 2 and total energy for the first two measurement points.

Pulse output representing measured energy for the first two measurement points is sent to the next meter DMG1 simultaneously measuring energy for measurement point 3 and total energy for all three points.

Described daisy chain structure can be continued without constraints.

Communication medium is direct-wired connection for short distances up to 10m. For distances up to 5km, we recommend wired connection by transceivers based on ASK modulation of power line voltage.

Total energy measurement for local placed measurement points is based on summation of pulse outputs. Total energy is available in the terminal meter.

United maximum demand indicator of 15-minutes mean active power for all system is defined as maximum demand indicator in the terminal meter.

Optionally, it is possible to connect terminal meter with personal computer. Using PC software ZbirMax, the current value of total demand indicator is presented (white arrow). The load profile registration is possible too, if PC is powered.

Software ZbirMax has functions:

- collection and presentation of current total demand indicator (white arrow);
- writing of measured 15-minutes total maximums in txt files.

“ENEL” d.o.o. Beograd, Petrovaradinska 26, 11000 Beograd
Phone: ++381 11 285 0 582, Fax: ++381 11 285 0 580
e-mail: enel@EUnet.yu, <http://www.enel.co.yu>