

CG APPLICATIONS

CARLO GAVAZZI



Application Note: July 26th 2007

Market involved : Telecommunication

Product : DPB71
and the new DPB51

Customer : ---

Subject : Mains monitoring for telecommunication

CUSTOMER ISSUE :

When you talk on a mobile phone, you (and perhaps dozens of other people around you) are talking to a nearby Base Station.

If this station isn't correctly supplied then your communication is interrupted.

To keep the service always alive, the Base Station has to be correctly supplied in every conditions, also in case of blackout.

OUR SOLUTION:

Usually the Base Station is provided with a power generator that has to be connected when the normal power supply has some defections, as the voltage levels or the sequence of the phases.

For this application, DPB51 is the ideal solution: it detects if all the phases are within the window voltage set limits and the phases have the correct sequence, before to connect the generator and to send by the system a signal of alarm.

Moreover, sometimes the space on the front of panel is very limited so, to have a very small device, type DPB51 can solve a lot of problems.

ACHIEVED BENEFITS:

- Mini-D housing 35.5 mm wide (DPB71) and the thinner one 17,5mm (DPB51), less deep than the 22.5 mm DIN-rail housing, so suitable for front panel mounting.
- Public service continuity.
- Connection and installation very easy.

