

CG APPLICATIONS

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Application Note:	October 4th 2007
Market involved :	Telecommunications
Product :	DUB71- DPB71
Customer :	---
Subject :	Mains monitoring for telecommunications

CUSTOMER ISSUE :

When you phone someone with a mobile phone, you are talking to a nearby Base Station.

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

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

The cost due to downtime is very high, like the disappointment of mobiles users.

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 phases sequence.

DUB71 is a 1-phase line voltage monitoring relay ideal for systems with little telephone traffic; DPB71 is a 3-phase line voltage monitoring relay, to manage systems with a lot of telephone traffic.

Their output is connected to a GSM modem that warns the technical assistance of the voltage lowering.

ACHIEVED BENEFITS:

- To monitor the power supply voltage characteristics of the Phone Base Station and verify if an auxiliary power supply from a generator is necessary.
- Public service continuity.
- Small dimension
- Easy connection and installation.

