

Auto-Dialer Fault Signalling System

An annunciator panel was installed within an 11kv Substation. Signals from this panel had to be relayed to maintenance engineers on a 24 hour basis. The proposed XFI system had not been installed and tested so a temporary system had to be realised.

It was proposed to install an AutoDialer system which would automatically send a telephone message to the maintenance staff in the event of a fault occurring.

A *Cooper Menvier SD1+ Speech Dialer* was installed and tested and to date has been in place for two years.



Key Points;

1. A cost effective early warning system.
2. A number of engineers can be informed of a fault by the system.
3. Smooth running of the equipment can be safeguarded. Loss of the 11kv Substation would result in large cost implications through loss of power to manufacturing base.
4. For installers it is unfailingly reliable, has a sophisticated audit trail and is easy to programme and install.
5. The SD1+ has two programmable outputs which can be linked to automation equipment
6. On activation, the SD1+ can contact up to 4 telephone numbers. It also has a restore message facility, which means that if it is set to monitor temperature and the temperature rises or falls substantially, the SD1+ will notify the recipient of an alarm activation. If the temperature stabilises on its own, the SD1+ notifies the recipient that they do not need to take action. The SD1+'s remote trigger function could allow end-users to reset their alarm system from a mobile phone.

Although the XFI system has now been fully realised, this Auto Dialer has remained in place as a proven reliable solution.

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