

ISSUE DATE: **10/90** MODEL: **FR II**

SUBJECT: **Remote Annunciator NO.: 507**

REVISION DATE: --

**Generators
w/Microprocessor
Controllers**

Installation

Improper installation of the optional remote annunciator (Decision Monitor) could lead to failure of the controller circuit boards on Fast Response II generators equipped with microprocessor controllers. Circuit board damage will result if voltage is induced on the

non- -shielded wires between the controller and the remote annunciator. To reduce the possibility of voltage induction on remote annunciator leads, comply with the following guidelines during remote annunciator installation:

1. **Always use a separate conduit for remote annunciator leads. Do not run annunciator leads in the same conduit as power wiring.**
2. **Use 18- -20 gauge wire for annunciator wiring up to 500 feet (152 meters) and 14 gauge wire for annunciator wiring up to 1000 feet (305 meters).**
3. **Use grounded metallic conduit for signal leads OR**
4. **Use shielded cable in a non- -metallic conduit for signal leads OR**
5. **Use dry contact kits located at the generator set for all signal leads and a separate power source for the remote annunciator.**

These guidelines must be followed to insure reliable operation of the microprocessor controller with a remote annunciator panel.

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