RECLOSED RELAY
NLR21D

INTRODUCTION

This supplement in addition to GEK-34123 constitutes the instructions for the NLR21D type relay.

DESCRIPTION

Relay NLR21D is similar to relay NLR21A except for the following:

1. Relay NLR21D is an AC operated relay. The relay contains a bridge rectifier to rectify the AC input. See internal Figure 1.
2. There is a fixed cam lobe attached to the indicating dial (of the stepping switch) located in the zero position to provide instantaneous reclosing. There are also adjustable cam lobes for delayed reclosure.

The external connections diagram is shown in Figure 2 in this supplement. For APPLICATION AND SETTINGS refer to the sections in the attached booklet.

RATINGS

The relay has standard ratings of 120 and 240 volts AC.

BURDENS

The AC burden of the NLR21D is at unity power factor as given in Table

<table>
<thead>
<tr>
<th>VOLTS</th>
<th>FREQUENCY</th>
<th>RESISTANCE-OHMS MINIMUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>240</td>
<td>60 HZ</td>
<td>1500</td>
</tr>
<tr>
<td>120</td>
<td>60 HZ</td>
<td>400</td>
</tr>
</tbody>
</table>

ACCEPTANCE TESTS

Apply AC power to studs 5 and 6 instead of DC power to studs 13 and 11. See internal connections Figure 1.

INSTALLATION PROCEDURE

Connections are to be made per attached Field Test Connections (Figure 3).

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.

To the extent required the products described herein meet applicable ANSI, IEEE and NEMA standards; but no such assurance is given with respect to local codes and ordinances because they vary greatly.
FIG. 1 (0246A3327-1 SH. 1&2) Type NLR21D Relay Internal Connections Diagram
FIG. 2 (0165B2632-1 SH. 1&2) Type NLR21D Relay External Connections Diagram
FIG. 3 (0246A6856-0) Type NLR21D Relay Field Test Connections