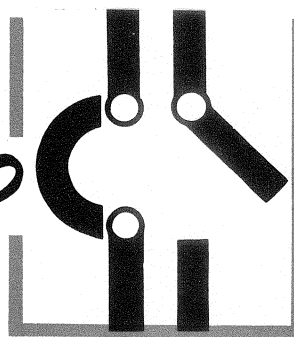


*May We Interrupt?*



# Circuit Protection Information

*To: CM Phillips  
I & SE  
Eugene*

NUMBER 3-73  
DATE March 5, 1973

cc: BD Campbell  
ISD-Schenectady

Subj: Time-Current Curves for Ground-Break System

To all ISD, CSD, ECSD, EUSD Sales Engineers

The Ground-Break relay which is provided in CPDPD's Ground-Break system offers continuously adjustable settings for both pickup current and time-delay. This feature affords the customer optimum ground fault protection on main, feeder, and branch circuits by providing selectable settings for coordination of the conventional over-current devices in the distribution system. In order to simplify this coordination, copies of the attached time-current curves for the ground-break system are now available from CPDPD.

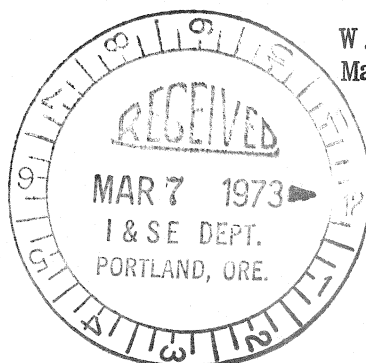
GES-6135 represents a plotting of trip time vs. multiples of pickup setting, for ground-break relays with ratings of 5 amps thru 1200 amps. This curve will enable a customer to select the necessary time-delay setting needed to assure coordination with over-current devices in his system.

Additional copies of GES-6135 can be obtained from:

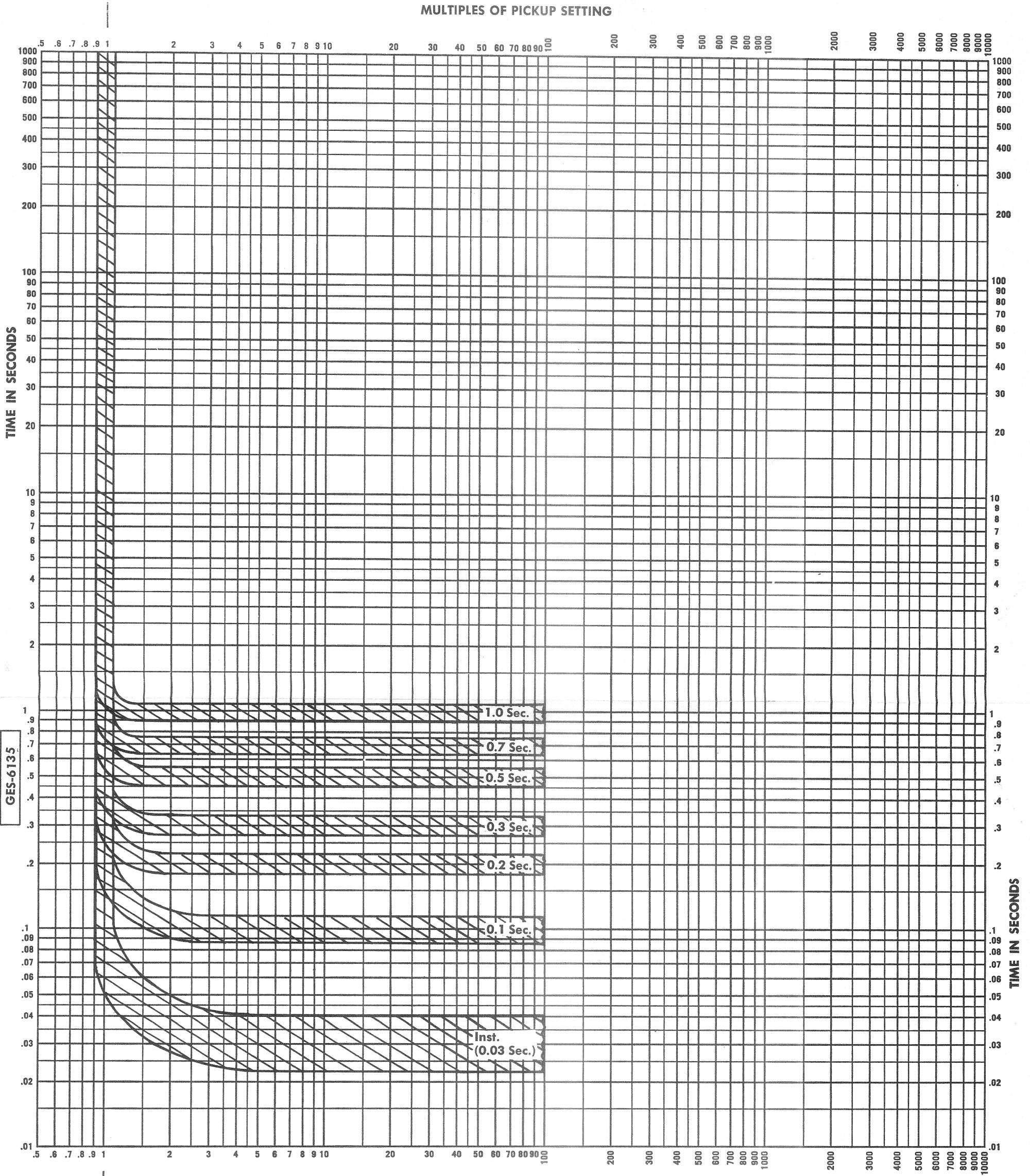
General Electric Company  
A&SPO Distribution Services  
Bldg. 705  
Corporations Park  
Scotia, N.Y. 12302

*Bill*  
W. R. Vineyard  
Manager-OEM & USER Sales

attm. GES-6135



**GENERAL ELECTRIC**  
CIRCUIT PROTECTIVE DEVICES DEPARTMENT  
PLAINVILLE, CONNECTICUT, 06062



<p><b>GENERAL ELECTRIC</b></p> <p>Relay Ranges (Amperes) 5 to 60A. and 100 to 1200</p> <p>Time Delay Range: Inst. (0.03 Sec.) to 1.0 Sec.</p> <p>System Voltage Rating 600 v.a.c.</p> <p>Frequency Rating 50 to 60 Hertz</p>	<p><b>GROUND-BREAK™ SYSTEM</b></p> <p>Type TGSR</p> <p>Ground Fault Pickup Settings and Delay Time-Current Curves</p> <p><small>(Curves apply at 60 Hertz and from -20°C to +55°C ambient)</small></p>	<p><b>GES-6135</b></p> <p>Adjustments</p> <p>Pick-up Unit: Continuously adjustable. Time Delay: Continuously adjustable.</p> <p>Pick-up current does not exceed 1200A at any setting.</p>
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