



Overcurrent Protection (50/51)

A New Family of Overcurrent Relays

Digital IAC, IFC and SFC



The “D” family. . .

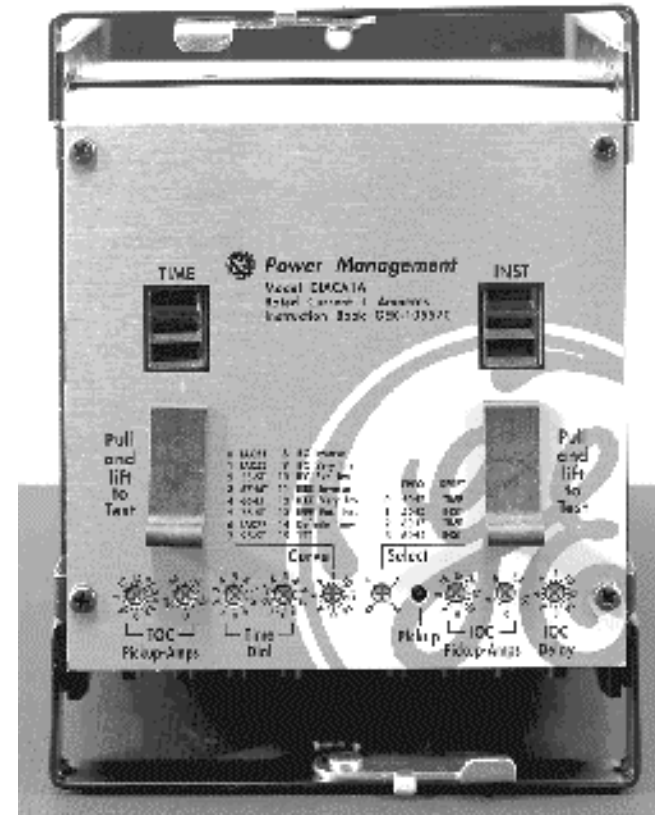
- **Single Phase**
- **Self-Powered**
- **Microprocessor Based**
- **Exact Physical Replacement of Equivalent E/M Relays**





User Friendly Features...

- Pickup Status LED
- Independent IOC/TOC Trip Target , with Reset
- Trip Circuit Test
- A Trip Contact and an Auxiliary Contact are Provided for Both TOC and IOC
- 50/60 Hz Selectable
- Draw-out Case With current injection test feature





Ease of Installation and Design

- **Single Relay Replaces Hundreds of Existing Models.**
- **Electrically and Mechanically Compatible with IAC, IFC, or SFC Relays.**
- **Same Case Size, Fits Existing Cutout.**
- **Self Powered**



•



Coordination Flexibility

- **User Selection of 16 Time-Current Curves**
 - **Inverse (IAC51*)** IEC Inverse
 - **Very Inverse (IAC53*)** IEC Very Inverse
 - **Extremely Inverse (IAC77*)** IEC Extremely Inverse
 - **Short Time (IAC55)** IEEE Inverse
 - **Short Time (IAC75)** IEEE Very Inverse
 - **Short Time (IAC95)** IEEE Extremely Inverse
 - **Medium Time (IAC57)** Definite Time (0.5-9.5sec)
 - **Long Time (IAC66)** I²T

* Identical Match to IAC curves and No Reoordination Necessary



Coordination Flexibility

- Digital Single Phase IAC, IFC and SFC Cross Reference to GE Electromechanical/Static Relays
- The DIAC, DIFC and DSFC line of digital single phase, self-powered relays offers customers a single relay that replaces the hundreds of different models of IAC, IFC and SFC relays. These relays can replace the following GE electromechanical & static relay types that require a time overcurrent range of 0.5-15.9 Amps and an instantaneous overcurrent range of 1-159 Amps:

IAC51 IAC53 IAC55 IAC57 IAC66 IAC77 IAC95
IFC51 IFC53 IFC57 IFC66 IFC77 IFC95
SFC151 SFC153 SFC177



Coordination Flexibility

- **Versatile Independent TOC/IOC Functions**
 - **Enable/Disable TOC and IOC**
 - **Adjustable IOC Delay (0-400mS)**
- **Low Burden Sensitive Ground Protection**
- **Selectable Reset Characteristics**
 - **Timed Reset (Emulate Induction disk)**
 - **Instantaneous Reset**



Value for your Investment

Coordination Flexibility

- **16 User Selectable TOC Curves**

Ease of Retrofit - Same Panel Cutout

- **To Order All That is needed....**

D__ CA__

A Revision

1 Amp Nominal Rating

5 Amp Nominal Rating

IA S1 Case

IF C1 Case

SF V1 Case