

# Type MCGG 22, 42, 52, 53, 62, 63 & 82 Overcurrent Relay for Phase and Earth Faults

## Features

- Choice of 4 inverse time curves and 3 definite time ranges by switched selection.
- Wide setting range of  $0.05 \times I_n$  to  $2.4 \times I_n$  in steps of  $0.05 \times I_n$ .
- Time multiplier range 0.05 to 1 on all seven characteristics.
- Separate led indicators provided on each measuring board to show time delayed and instantaneous operations.
- Led start indicators provided to facilitate testing.
- Separate output contacts provided for time delayed phase fault, instantaneous phase fault, time delayed earth fault and instantaneous earth fault operations.
- Low ac burden.
- Suitable for use with separate direction relay.
- Accurately follows time curves to BS142 and IEC255.
- High resetting ratio.
- Fast resetting time.
- Positive, calibrated settings by means of switches.
- Internal dc auxiliary power supply operating over a wide input range.
- Separate test mode with trip test feature.
- Indication of power to the measuring board.
- Non-volatile memory for time delayed and instantaneous led indicators.



Figure 1: Relay type MCGG 62 withdrawn from case.

## Models available

### MCGG 22

Single phase overcurrent with instantaneous element.

### MCGG 42

Two phase overcurrent with instantaneous elements.

### MCGG 52

Two phase overcurrent plus earth fault with instantaneous elements.

### MCGG 53

Two phase overcurrent (with polyphase measurement) plus earth fault with instantaneous elements.

### MCGG 62

Three phase overcurrent with instantaneous elements.

### MCGG 63

Three phase overcurrent (with polyphase measurement), with instantaneous element.

### MCGG 82

Three phase overcurrent plus earth fault with instantaneous elements.

Associated publications:

Midos System R6001

Directional Relay R6003

Model	3 Phase overcurrent		2 Phase overcurrent		Single Phase or earthfault		Measuring boards	Case size
	T	inst	T	inst	T	inst		
MCGG 22					•	•	1	4
MCGG 42			•	•			2	6
MCGG 52			•	•	•	•	3	8
MCGG 53			•	•	•	•	2	8
MCGG 62	•	•					3	6
MCGG 63	•	•					1	6
MCGG 82	•	•			•	•	4	8

# Relay Mcgg 11 Manual

**S Marginson**



## Relay Mcgg 11 Manual:

*Electrical safety guidance for high voltage systems* Great Britain: Department of Health: Estates and Facilities Division,2006-12-12 This document sets out operational guidance on electrical safety requirements for high voltage systems in healthcare premises It is intended to assist in meeting the requirements of the Electricity at Work Regulations 1989 which detail the precautions to be taken against risk of death or personal injury from electricity in work activities This document replaces and supersedes all previous versions of Health Technical Memorandum 2021 Safety code for high voltage systems

*Electrical Power System Protection* C. Christopoulos,A. Wright,1999-06-30 The death of Professor Arthur Wright in the summer of 1996 deprived me of a friend and a colleague whose judgement and experience shaped this book I pay tribute to his contributions to protection and electrical engineering education In the five years since the first edition appeared many developments have taken place and it is now necessary to update the book The use of digital communications and advanced signal processing techniques is now widespread and several fully numeric relays are available from manufacturers Two new Chapters 13 and 14 have been added to introduce readers to these concepts and associated techniques Artificial intelligence is making its impact in all engineering applications and power system protection is no exception Expert systems fuzzy logic artificial neural networks adaptive and integrated protection synchronized measurements using the global positioning system genetic algorithms flexible a c transmission systems are some of the techniques considered in connection with protection Although many of these techniques have not yet found major application in protection it is nevertheless essential for the educated protection engineer to have a basic understanding of the underlying principles and methodology so that he or she can evaluate their suitability for new relaying problems and applications Chapter 15 was therefore added to guide readers through this developing area I have also added some new material in other chapters to reflect changes over the past years

**Relay manual** ,1957 *Relay Manual* General Electric Company,195? **GS and Depot Maintenance Manual** ,1992  
*FIELD & DEPOT MAINTENANCE MANUAL... TEST SET, RELAY TS-1194A/U... TM 11-6625-362-35... DEPARTMENT OF THE ARMY... 01/12/61* ,1999\* **Relay Setting Manual** Pennsylvania Electric Association,197? **Operator's, Organizational, Direct Support, and General Support Maintenance Manual** ,1990 Standard Relay Modules for Safety and Control Circuits United Kingdom Atomic Energy Authority,1966 GS and Depot Maintenance Manual ,1992  
**Operating Manual 2nd Edition** American Radio Relay League,1986-01-01 **Olympic Torch Relay** ,2000  
**Operator's, Organizational, Direct Support, and General Support Maintenance Manual** ,1990 Standard Relay Modules for Safety and Control Circuits Part 2. Instruction and Maintenance Manual ,1966 **Protective Relay Distribution Feeder Protection. Student Manual** Lab-Volt (Québec) Ltd,2004 **Torch Relay Manual** ,1998  
**Standard Relay Modules for Safety and Control Circuits Part 2. Instruction and Maintenance Manual** B. J. Maple,1966 **Weston Model 1092 Sensitrol Relay** Weston Instruments,1958 Instruction Manual for

Transmitter-receiver Control System ,1960

## The Enigmatic Realm of **Relay Mcgg 11 Manual**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Relay Mcgg 11 Manual** a literary masterpiece penned by a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of people who partake in its reading experience.

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