

Instruction Manual

Electronic Motor Protection Relay (GMP Series)


META
MEC Series


Thank you for purchasing the LG Inc. GMP Series.

SAFETY PRECAUTIONS

Be sure to read the instruction manual and safety precautions before use products.

This manual should be given to the person who actually uses the products and is responsible for their maintenance.

 **WARNING** : Offending against the message
will result in death or serious injury.

 **CAUTION** : Incorrect handling of the device
may result in minor injury or Physical
damage.



■ Introduction

The LG GMP series Electronic Motor Protection Relay provides extended motor protection for critical and high inertia application.



WARNING

- Turn off the upstream breaker before installing or service to prevent electric shocks and burn due to short circuit.
It make an electric shock and burn to short circuit.
- Do not touch any live naked terminals.
It make an electric shock.



CAUTION

■ Installation

- Compare the product with that order us.
The Product which is different from order is may cause a malfunction or a fire.
- Check the parts to miss or crack by transportation.
- Store in a dust free and dry environment.
- Store within an ambient temperature range of -30°C to $+80^{\circ}\text{C}$.



CAUTION

■ Installation

- Installation, maintenance and inspection of the product should be performed by qualified engineers having special knowledge.
- Use the product in a range of the rated voltage and current shown on the name plate.
It may cause malfunction.
- Connect control power at terminal A1,A2.
- Refer to wiring diagram for proper terminal connection.
- After wiring, Cover the Finger Proof necessarily.
- When the device useless, it should be dispose of them as an Industrial waste.

Operation & Setting Method

■ Setting the operating time


- Set the D-time knob according to the characteristics of the load.
- In case of over load, Operating time is set by the Operating time knob.
- if the device hasn't Operating time knob, there is no necessity to setting.

■ Setting the current

- Start the Motor with the rated current knob RC at the Max.
- Turning around the RC knob to the counter-clockwise, check the point Led start flashing. That point is the actual rated current of the Motor.
- Turn around the RC knob to the clockwise until Led is completely turned off.

■ Operation Test

- The relay operation can be checked by pressing the TEST/RESET button, before running the Motor. Please check the relay by pressing the button. In motor running the key can't be operated for safety.
- When the EMPR is tripped, Push the button, and that is reset.
- Refer to device rating label for fault indication.

 **Refer to the catalog and home page(www.lgis.com) for further details.**

* Client Consultation center :

LG ,Kayang, Kangseo-gu, Seoul 157-803, Korea

(TEL: 82-1544-2080 FAX: 82-2-3660-7021)

7956 2116 001