

EDP-H2-CH

ELECTROMAGNET CONTROLLER

PASSIVE



EDP CONCEPTION

EDPCONCEPTION.COM

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1. Introduction

- EDP-H2-CH is an electromechanical controller controlled by a microprocessor.
- The controller installs it very easily. It requires only a few connections.
- The controller is compatible with almost all 120 to 240 VAC, single-phase generators, 50 to 65 Hz, with a maximum rating of 40 amps. Or 180vac 3 phases.
- It cannot be used with magnets rated below 5 ohms.

2. Installation

Important Note: Installation must be performed by a qualified person and must meet industrial-quality standards.

Carefully follow the wiring instructions.

- 1- Securely mount the enclosure vertically in a location free from high vibration and away from heat sources.
- 2- Follow the wiring diagram exactly and carefully double-check all connections.
- 3- Start the generator.

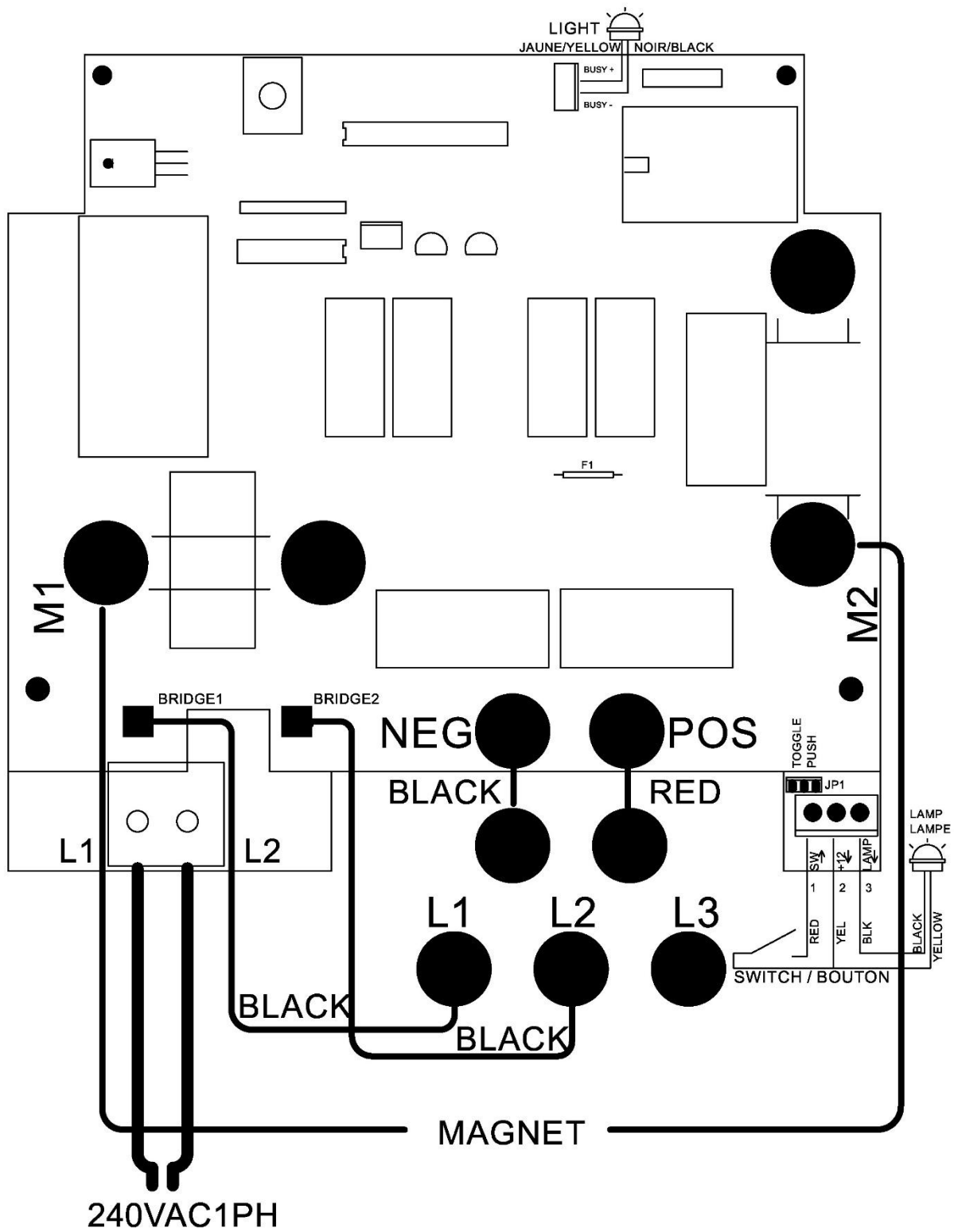
4. Operating the Controller

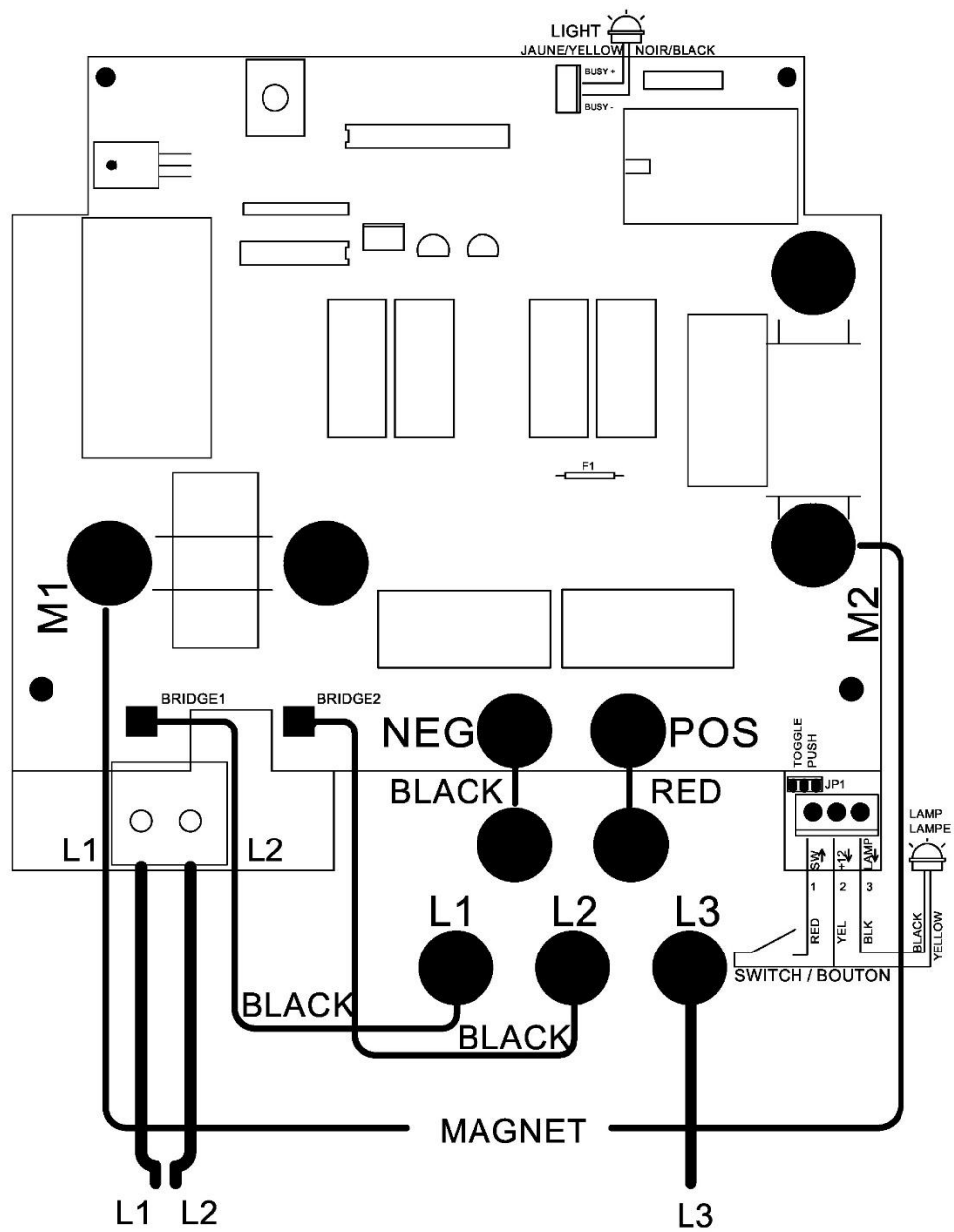
- 1- To activate the controller, you must start the generator.
- 2- Briefly press the control button (switch) and the controller will energize the electromagnet.
- 3- Press it again and the controller will release the metal.

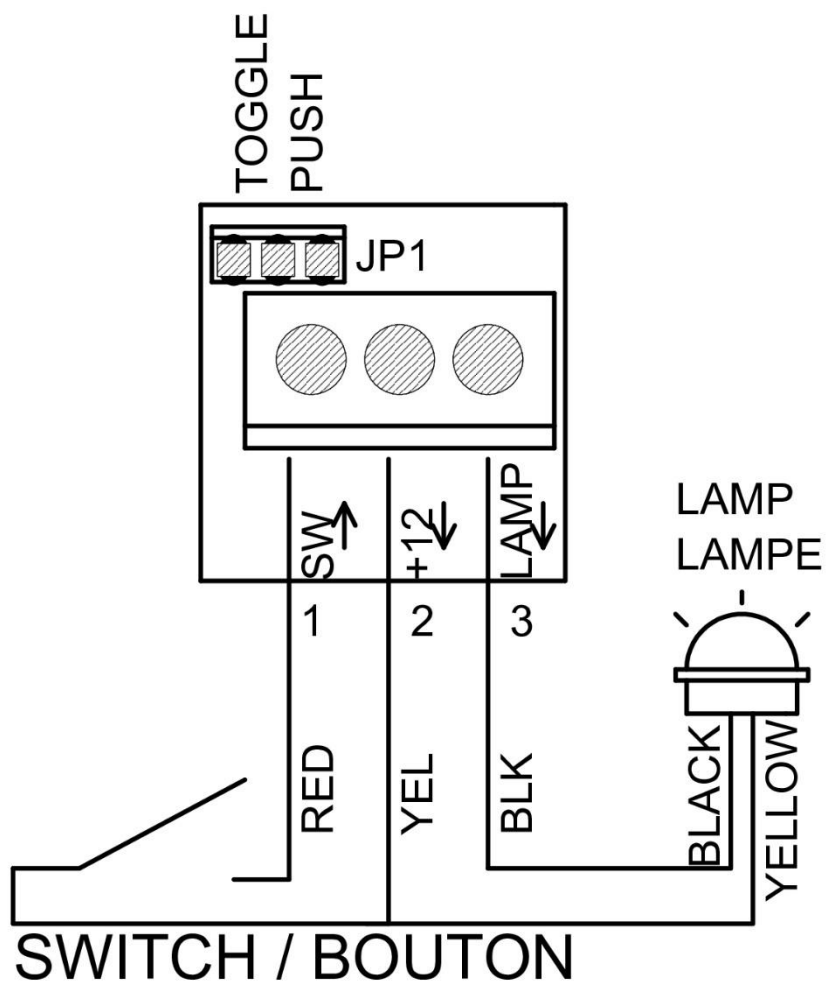
It can be controlled by a momentary push button (JP1 to the right) or a toggle switch (JP1 to the left).

5. Reading the Alarms

- If you activate the magnet and the magnet is not connected, the cab light will flash.
- If the battery charge is low, the light will flash very rapidly.
The quality of the demagnetization may vary depending on the battery charge.
- The light may also flash if you reactivate the magnet before the demagnetization cycle has been completed. In this case, deactivate the magnet and wait until the light stops flashing.







6. Problems and Possible Causes

- The light flashes slowly.

The magnet wire is disconnected or the fuse is blown.

If the circuit breaker has tripped or the fuse is blown.

There is likely a short circuit in the wire leading to the magnet.

Disconnect the power supply.

It is very important to repair the fault before operating the magnet again to protect the controller's contactors.

- If the light flashes rapidly, this means that the battery charge is low.

You may continue working because the battery may recharge.

Alternatively, disconnect the magnet and activate the magnet as if it were connected.

Wait until the rapid flashing stops and the light flashes slowly.

This indicates that the charge is complete.

The light may also flash if you reactivate the magnet before the demagnetization cycle has been completed.

In this case, deactivate the magnet and wait until the light stops flashing.

7. Product Warranty

Products manufactured by EDP Conception (hereinafter referred to as the “Manufacturer”) are warranted against defects in design, workmanship, materials, or product presentation for a period of two years from the date of purchase (hereinafter referred to as the “Warranty Period”), under normal and proper use of the product by the purchaser, provided that the conditions set out herein are met (hereinafter referred to as the “Warranty”). Only products sold by a distributor authorized by the Manufacturer (hereinafter referred to as the “Distributor”) are covered by this Warranty.

This Warranty applies only to the original purchaser of the product and is not transferable to a subsequent purchaser without the Manufacturer’s written consent.

All defective products eligible for coverage under this Warranty will be repaired or replaced at the Manufacturer’s expense and at the Manufacturer’s sole discretion at a warranty service centre authorized by the Manufacturer (hereinafter referred to as an “EDP Service Centre”). Replacement or repair parts supplied by the Manufacturer will be equivalent to the original parts in performance and reliability and will remain covered by the Warranty for the remaining Warranty Period as of the date the parts are replaced.

The Manufacturer provides no warranty for losses or damage to the product resulting from misuse, improper installation, normal wear, accident, abuse, negligence, fault on the part of the purchaser, force majeure, excessive use, unauthorized modification, unusual electrical stress or interference, use under inappropriate environmental conditions, an accessory to the product, or any other fault, damage, or defect not covered by the terms of this Warranty.

The Manufacturer assumes no responsibility and provides no warranty for any fault and/or damage arising directly or indirectly from the delivery, transportation, removal, relocation, installation, maintenance, or repair of the products or product accessories performed by a Distributor or service provider other than an EDP Service Centre authorized by the Manufacturer. Furthermore, product accessories are not covered by this Warranty. The Manufacturer assumes no responsibility for any damage caused by its products.

To obtain Warranty service, the purchaser agrees to return the defective product to the Distributor where the purchase was made or, if that location is not an EDP Service Centre, to one of the EDP Service Centres authorized by the Manufacturer.

The Manufacturer will not be responsible for transportation or labour costs incurred in connection with the performance of the Warranty.

During the repair or replacement period for a defective product covered by the Warranty, the Manufacturer will not be responsible for any loss or damage suffered by the purchaser directly or indirectly as a result of the product being unavailable, including any loss of income or loss of use of the product.

In addition to the Warranty provided herein, the Manufacturer shall not be responsible for any warranty offered by a third party, except, without limiting the foregoing, for warranties provided by applicable legislation in the Province of Quebec.

The Warranty covers only repair, replacement, or, at the Manufacturer's sole discretion, reimbursement of the purchase price to the purchaser.

The Warranty will take effect upon receipt by the Manufacturer of a duly completed copy of this document, which must be returned within thirty (30) days following the product purchase date, together with a copy of the original purchase invoice, by mail, fax, or email to the following contact information:

Address: 2883 Trudel-Est Blvd., P.O. Box 2035
St-Boniface, Quebec G0X 2L0
Canada

Fax: 819.535.6247

Email: info@edpconception.com

Please note that the product serial number is engraved on the right side of the display module.

Beneficiary: _____

Product Name: _____

Product Serial Number: _____

Date of Purchase (DD/MM/YYYY): ____ / ____ / ____

Signature: _____

If the Purchaser does not return the duly completed document together with a copy of the original invoice, the Manufacturer will provide a limited Warranty of two years from the date the Product was sold by the Manufacturer to the Distributor.

8. Service Instructions

Contact your authorized EDP dealer to obtain a Service Request number before returning your product. Be sure to check your entire system before shipping your unit. Units received in good working condition will be returned with service charges to cover product inspection and shipping costs.

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Important Note

Safety Instructions

The controller is only one component of an electromechanical and electromagnetic lifting system; therefore, precautions must be taken for the safety of the user.

In this type of system, a failure involving the controller, an electrical wire, a fuse, a chain, a generator brush, etc., can cause the load to fall and result in serious injury or even death.

EDP CONCEPTION cannot be held responsible for such accidents.