

INSTRUCTION MANUAL

3.1	14-09-2013	
REL.	DATE	T.M. Check and Approval

ECO-BRAKE device assures lift mechanical brake activation, supplying full voltage initially, and reducing the voltage when the brake is open. Reducing the coil supply voltage around 30%, the brake power loss drops around 50%, so that brake heats it up less, especially during long runs.

Technical Specifications

Control circuit supply voltage : 230V 50Hz, 4VA;
 Brake supply voltage : 60 ÷ 230Vac;
 Output voltage for brake coil : 48 ÷ 190 Vdc
 Max output current: 10A;
 Dimensions: 146 x 104 mm.

Inputs

Terminals L1 – N: Supply Voltage 230V 50Hz
 Terminals VB – VB1: Brake supply Input Voltage: from 60 to 230 Vac;
 Terminals CM – CM1: ON/OFF activation command (auxiliary contact of main contactors).

Outputs

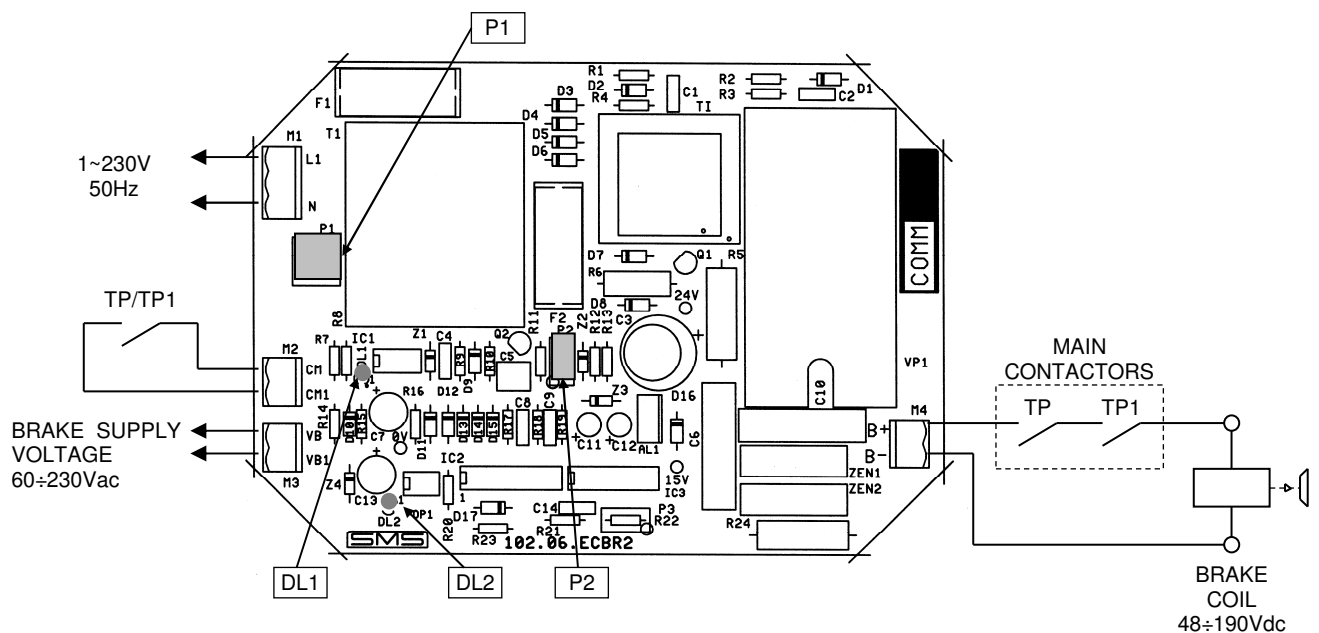
Terminals B+ – B–: Brake supply Output Voltage: from 48 to 190 Vdc.

Adjustments

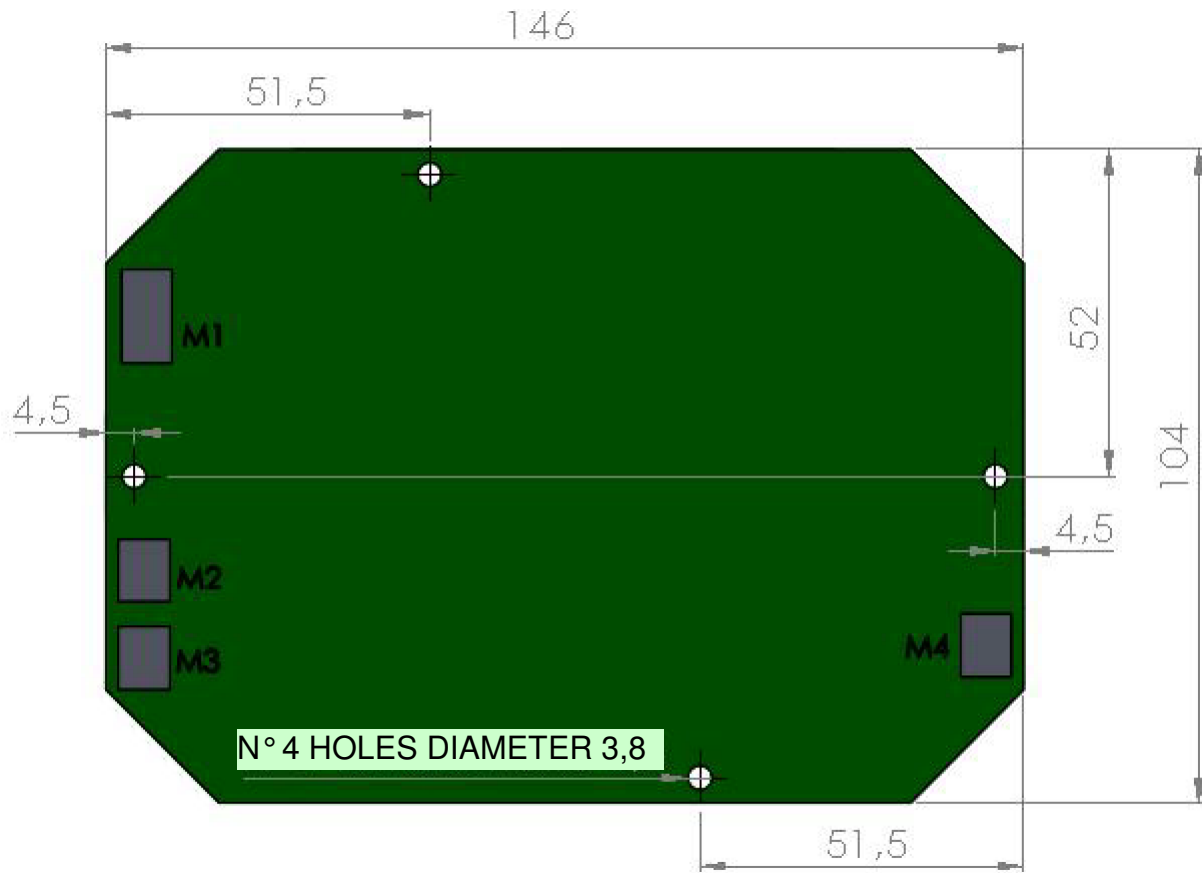
Trimmer P1: Full Voltage Time Duration (2 ÷ 8 sec. starting from CM-CM1 command);
 Trimmer P2: Reduced Output Voltage Level (30% ÷ 90% respect to the VB-VB1 input voltage).

Signals

Led DL1: RED, ON when full voltage, OFF when reduced voltage (if command contact CM-CM1 is closed);
 Led DL2: GREEN, ON when the command contact CM-CM1 is closed.



Dimensions and mounting holes



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