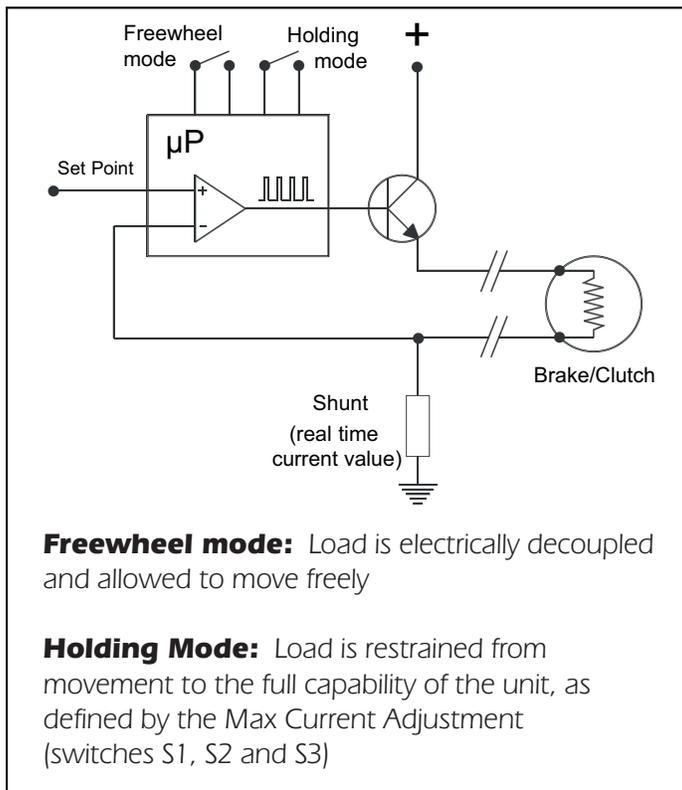


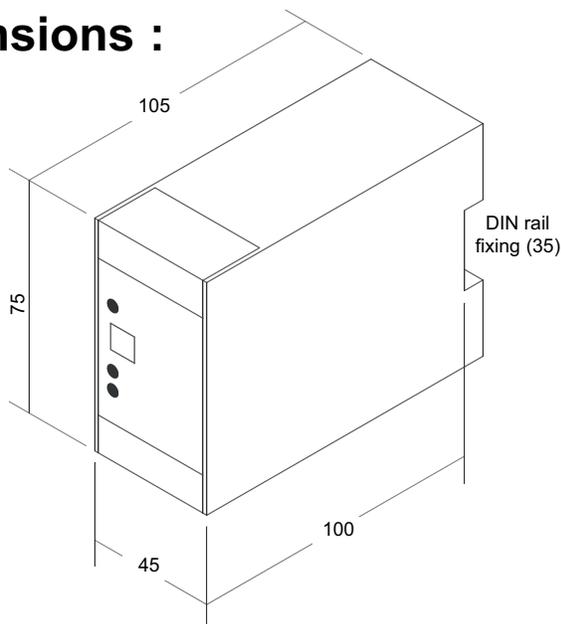


## Supplies and Regulates Current to EMAG Brakes and Clutches

### Schematic diagram :



### Dimensions :



## Current Regulator PowerBlock2

### MO-13829



### Technical features:

Input voltage	[ V ]	24 AC / DC
Max output current	[ A ]	2
Output load (resistance)	[ ohm ]	4 - 20
Max power consumption	[ VA ]	70
Remote voltage control	[ V ]	0 - 10 DC
Ambient temperature	[ ° F ]	+10 ... +40
Weight	oz.	6

### Benefits :

- Regulated current power supply based on microcontroller technology
- ➔ Accurate current output control
- ➔ High level of protection against transients (short-circuit & circuit opening)
- Remote control via potentiometer or analog 0 to 10V input
- Freewheel and Holding modes selected from external contacts or analog voltages
- Selected mode status shown by front face LED's
- Real time Current equivalent voltage output available
- Plug-in connectors
- Compact enclosure with integrated DIN rail mount
- CE - CEM compatible

## Electrical Information:

### Connections

C1 / C2	Brake/Clutch
Com	0 V
Amp	Real time current equivalent voltage (1.00 A → 1.00 V)
Test	Internal fuse test points (When OFF, measure of 10K Ω between the two (2) points (*) means that the fuse is OK)
Com	Equipotential supply point (when grounding the transformer secondary)
24 V	Input Power : 24 V AC or 24 V DC
SetP	Set point input (0 → 10 V DC)
10	Set point potentiometer supply (10 k Ω)
V+	Logic inputs voltage
Free	Logic input "Freewheel" mode
Stop	Logic input "Holding" mode

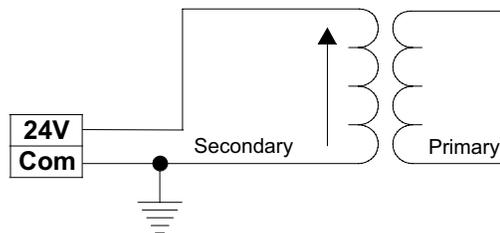
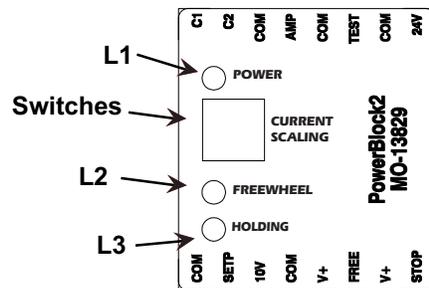
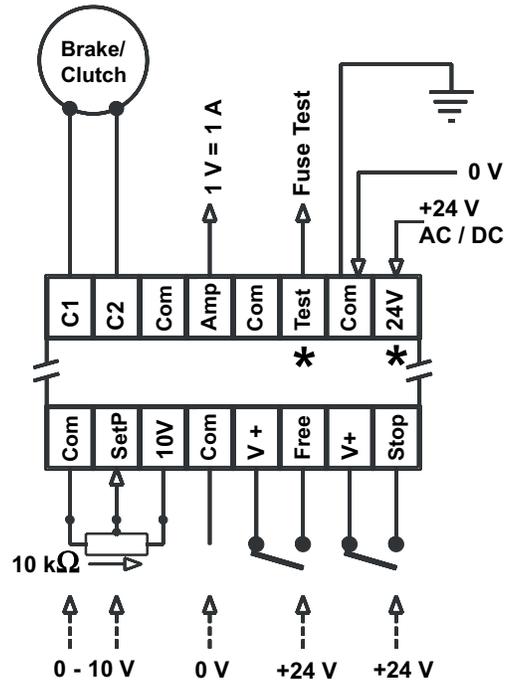
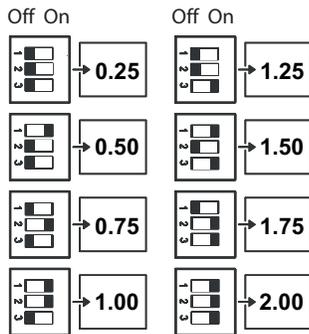
### Front face LED's

L1	Power ON
L2	Freewheel mode active
L3	Holding mode active

### Switches

S1 S2 S3	Max current adjustment (from 0.25 to 2.00 A, for set point input = 10 V)
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**Max. Output current adjustment**



Transformer Grounding diagram

## Note :

- The equipotential point is available on terminal "Com" of the supply terminals
- When grounding the secondary of the transformer, refer to the Transformer Grounding diagram above