

MOS –FET

AM-DC

Manual for use

SAFETY RULES

All the electrics/electronics apparatus can be a risk for people safety.

The final user is responsible in order that the installation is made according to the actual rules and laws.

The installing and maintenance operations should be executed by a qualified operator following the instructions of this manual.

For every question please contact the manufacturer.

GENERAL INSTRUCTIONS

(DPR nr. 224 of 24/05/88)

Dirett. CEE nr. 374/85 of 25/07/85

This driver should be installed, adjusted and used by a qualified operator.

He should know the complete running of the device.

The use should be as per the actual specifications of this item.

This device is connected to the net system, so the buyer should provide it with a dissection zone that permit the entry into the system without danger.

The buyer should provide the whole system where the driver will be fitted with safety and security precautions in order to protect the operator in case of damages.

The UNITEC Srl. Society will not be responsible for every direct or indirect damage it may occur for the incorrect use of the material.

CONFORMITY DECLARATION CEE

UNITEC S.R.L. Via Breda n° 120, Milan. The legal agent states that:

The driver for motors with C.C , electric panels, digital instruments for automation and control, and other products, use electric material according to the actual rules of the CEE.

This products have been built following the same rules and lows, CEI EN60204-1.

-LVD

LOW TENSION

-EMC 89/336

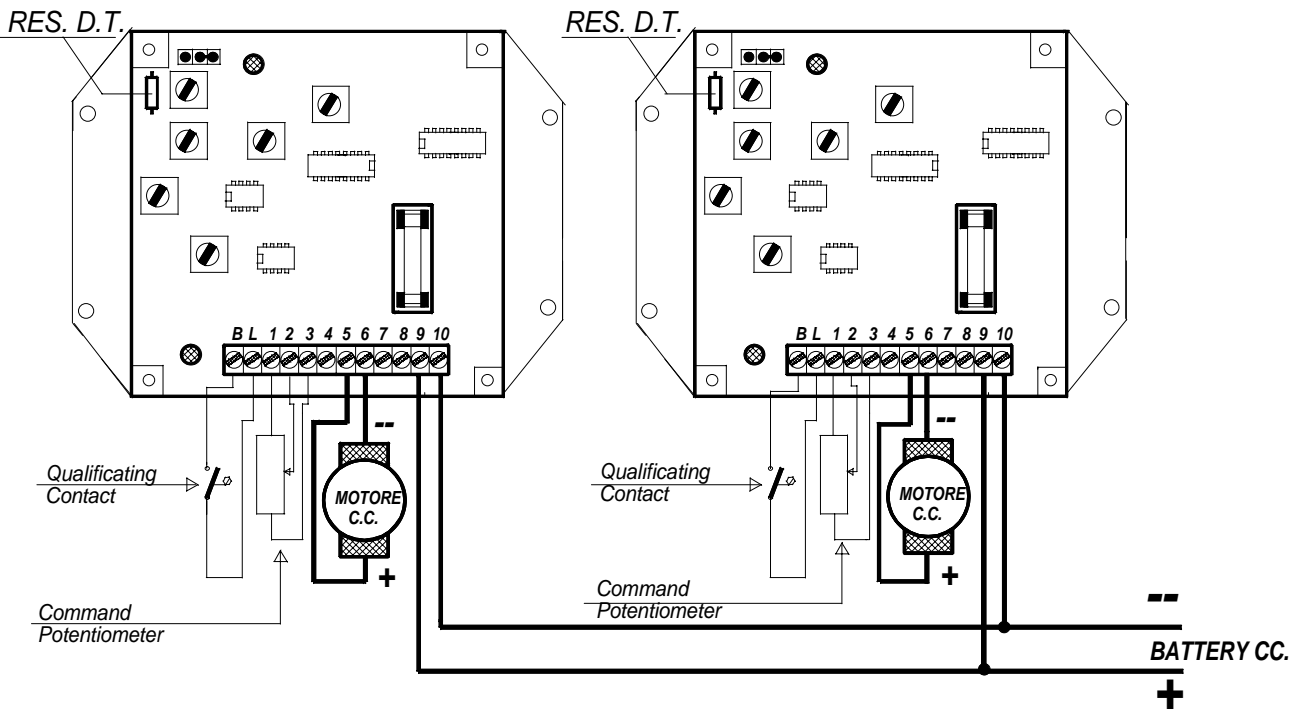
ELECTROMAGNETIC COMPATIBILITY

Our Society has made a test according to EMI standard

CISPR, EN, ETS, FCC and ANSI C63.4, VCC and VDE and with the right instrumentation in the Engineering University.

Before the installation please read the manual.

LINK OF 2 OR MORE DRIVER ONLY ONE POWER SUPPLY



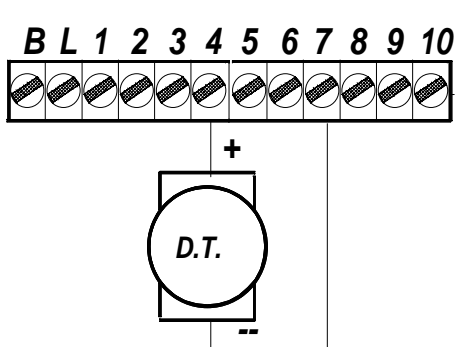
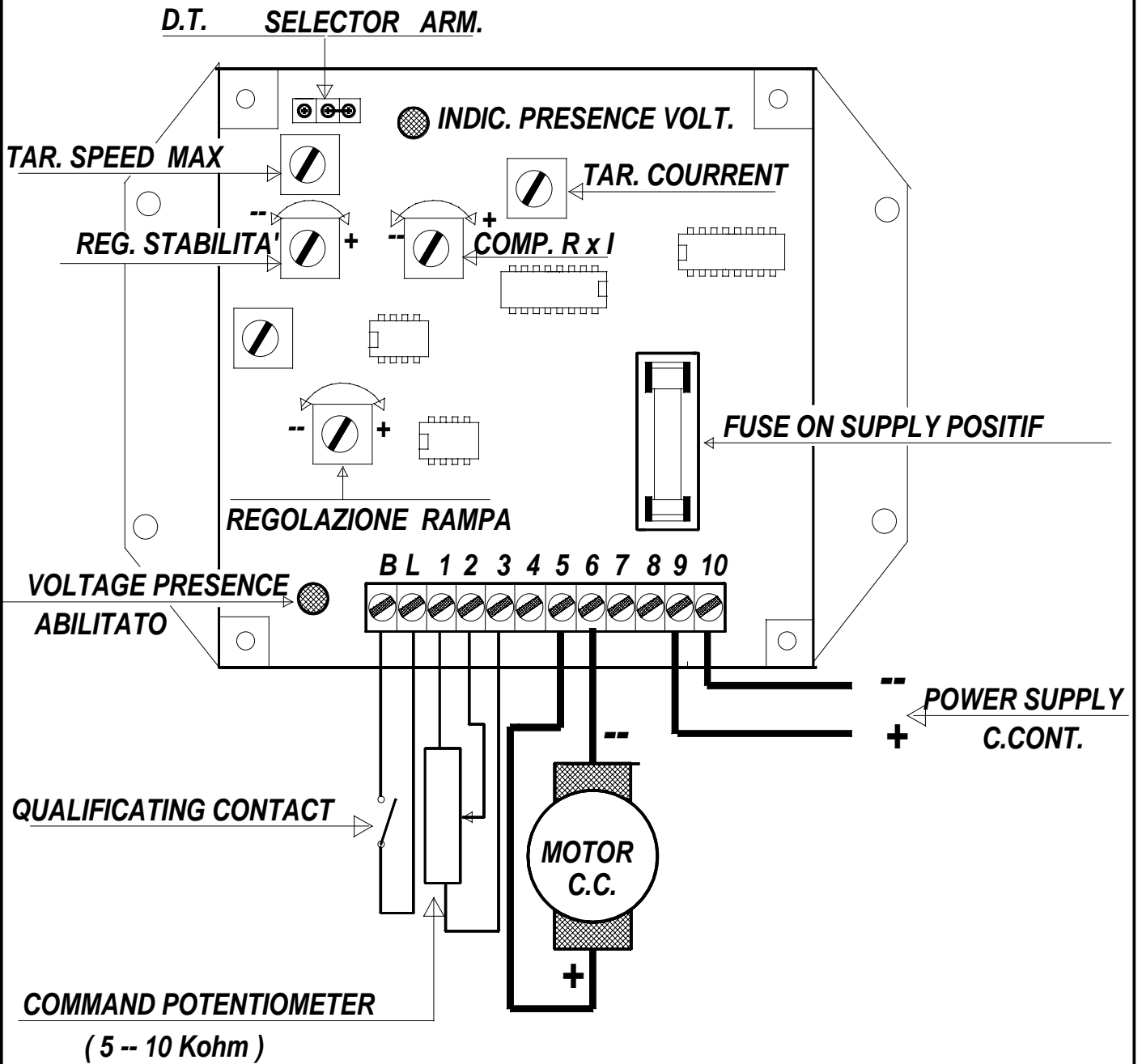
TECHNICAL DATAS AND CHARACTERISTIC

STANDARD CODE	POWER SUPPLY	AMPER	POWER WAT
AMDC - B - 12 - 05 - M -	12 VCC	5	60
AMDC - B - 12 - 10 - M -	12 VCC	10	120
AMDC - B - 24 - 05 - M -	24 VDC	5	120
AMDC - B - 24 - 10 - M -	24 VDC	10	240
AMDC - B - 48 - 05 - M -	48 VDC	5	240
AMDC - B - 48 - 10 - M -	48 VDC	10	480

NB : THE SUITABLE POWERS REFER TO SERVICE S1 FACTOR
 DEGRADING IS POSSIBLE DUE TO AMBIENT FACTORS
 OR OF AIR REPLACEMENT GO OPPORTUNELY CALCULATED
 DEGRADING POWERS

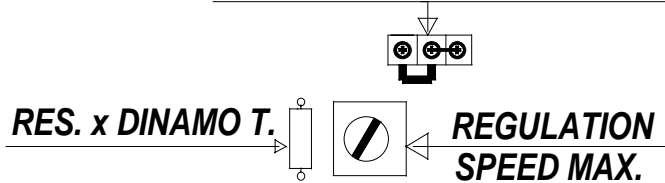
The mounted DT series sesistance standard is from 10 Kohm
 and maids in union to the trimmer to set tension up to 30 Vdc

CONNECTION REFERRED TO THE MOTOR IN ARMATURE REACTION



EV. TACHO DYNAMO CONNECTION

D.T. SELECTOR ARM.



MOVE THE SELECTOR UP D.T. AND ADJUSTMENT WITH V. MAX. THE SPEED WISHED. (For the DT res. read the instruction to the D.T. voice)

WRING SECTION-RUNNING PROCEDURE AND ADJUSTEMENT

For which concerns the assembly inside equipment, it is necessary that the dissipator has enough room to allow a sufficient air replacement.

In the case of wiring of several equipment within the same container it is necessary a forced ventilation of the equipment.

The various types of card are identifiable from their tags and IT IS NOT POSSIBLE TO FEED DIFFERENT TENSION.

Also having arranged for entries in current, of rule the operation is provided with entry by potentiometer wit values included between 5 and 10 Kohm

The enabling contact is made to unlock operation and it can be also fed by source outside 24 Vdc (be controlled from PLC) for instance.

RAMP REGULATION : The ramp regulation trimmer is set before unlocking the operation and create a gradual acceleration with times inclusive between 0,5 and 5 sec. Every time the enabling contact is opened the ramp circuit is instantaneously sets at zero to start again to work as soon as card is unblocked.

Rxl REGULATION : When we work in armour reaction, this trimmer increases it effectiveness in hourly sense and serves to offset the tension fall of the engine with the increase in the load.

*STABILITY REGULATION : This trimmer act on the ring of speed and maids to offset the fast transient from the tension system.
Only regulated if an irregular working of the engine is discovered.*

MAXIMUM SPEED REGULATION : This 10 turns trimmer allows to gauge exactly the maximum tension which can supply the card.

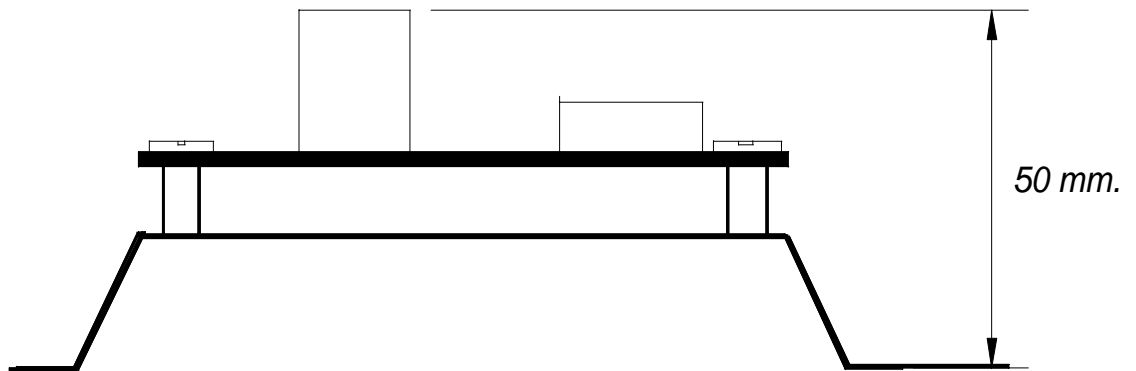
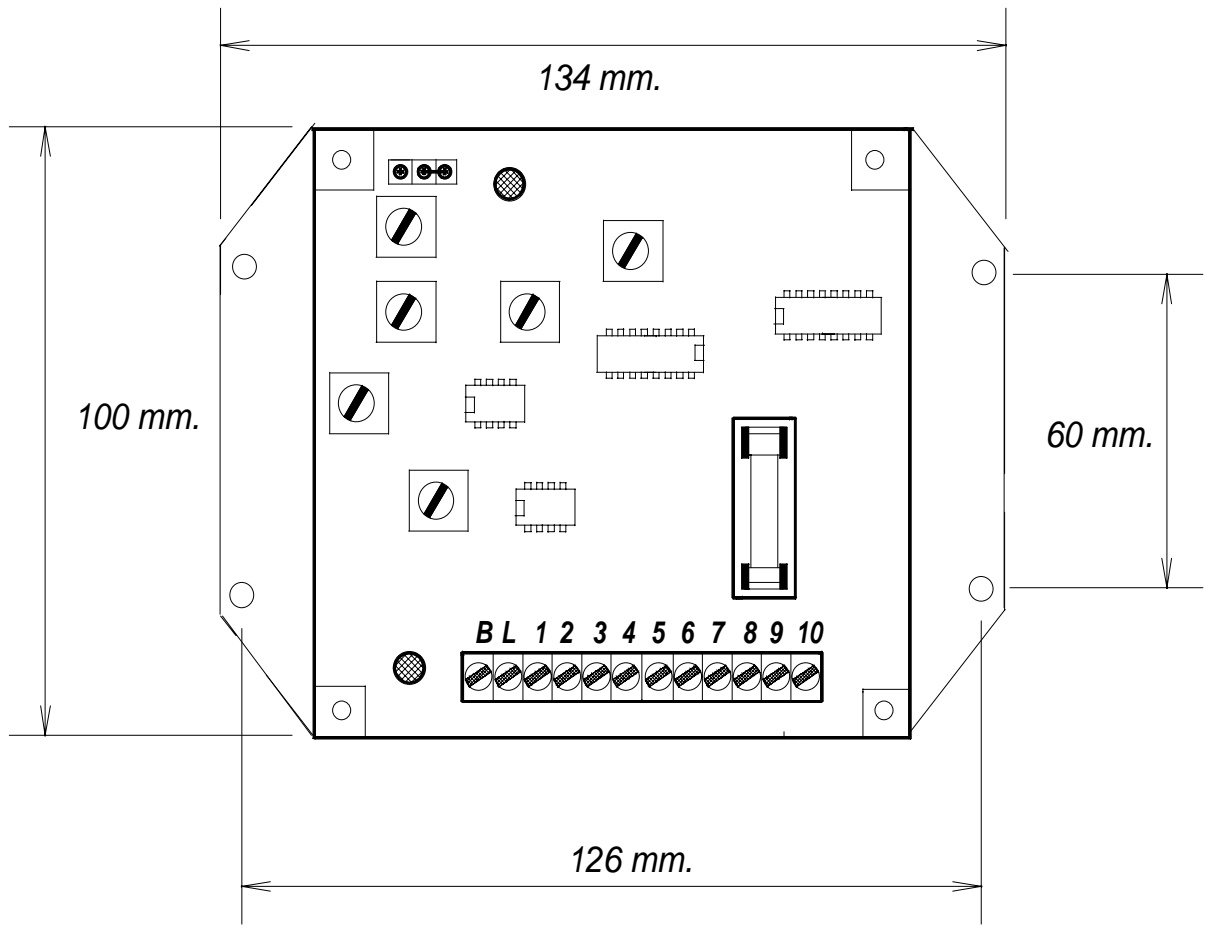
Remembering that with operations fed in DC current he continues, the maxim tension outgoing available will never be able to exceed the one of feeding $V_{out} = V_{in} \times 0,98$

CURRENT REGULATION : This trimmer serves to limit the maximum current which can supply the card , of rule it is set and sealed in factory to the maxim nominal current declared.

It is possible reducing these maximum limit to protect the engine to continuous current from an excessive amperage. The remaining trimmer on the card does not be touched because it is an internal regulation arranged and sealed in phase of test of the equipment.

THIS CARDS SERIES AM-DC WORK WHIT NEGATIVE AT ZERO VOLTS AND THEREFORE IT IS POSSIBLE FEEDING ON TANDEM OF SEVERAL OPERATIONS. IT IS NECESSARY IN THE WIRINGS MAKING DIRECT LINK WITHOUT INTERPOSING, IF IT POSSIBLE, TERMINAL BOARD AND TRY TO DIRECT THE COMMAND SIGNALS FAR FROM THOSE OF THE POWER

DIMENSIONS AND WEIGHT



VERSIONE A GIORNO WEIGHT = 300 g.