

# DIMENSIONI ATTUATORE TELESCOPICO "LATT"

## TELESCOPIC ACTUATOR "LATT" DIMENSIONS

(\*)CORSE STANDARD DISPONIBILI

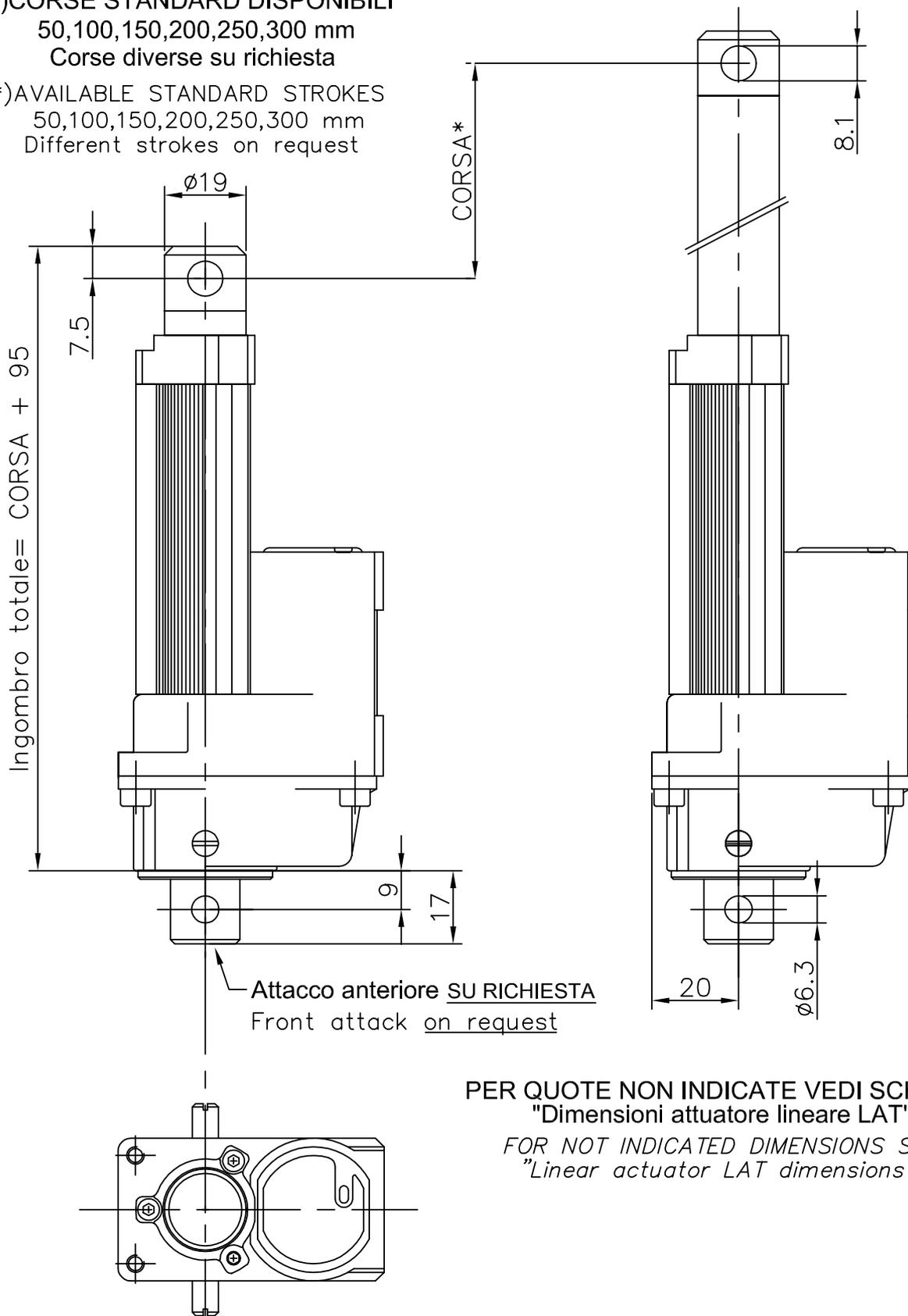
50,100,150,200,250,300 mm

Corse diverse su richiesta

(\*)AVAILABLE STANDARD STROKES

50,100,150,200,250,300 mm

Different strokes on request

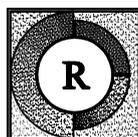


PER QUOTE NON INDICATE VEDI SCHEDA  
"Dimensioni attuatore lineare LAT"

FOR NOT INDICATED DIMENSIONS SEE  
"Linear actuator LAT dimensions"

PER CARATTERISTICHE ELETTROMECCANICHE VEDI SCHEDA  
"Caratteristiche attuatori LAT"

FOR ELECTROMECHANICAL CHARACTERISTICS SEE  
"Actuators characteristics LAT"



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# Caratteristiche ATTUATORI "LAT"

ACTUATORS Characteristics "LAT"

TENSIONE 12/24Vcc

VOLTAGE 12/24Vdc

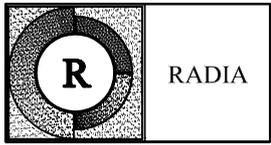
	MOTORE 4A MOTOR 4A	MOTORE 2A MOTOR 2A	MOTORE 1A MOTOR 1A	MOTORE 0.5A MOTOR 0.5A
RAPPORTO 1/12 RATIO 1/12	 LAT 4A* 1/12	 LAT 2A 1/12	 LAT 1A 1/12	 LAT 0.5A 1/12
RAPPORTO 1/27 RATIO 1/27	 LAT 4A* 1/27	 LAT 2A 1/27	 LAT 1A 1/27	 LAT 0.5A 1/27
RAPPORTO 1/48 RATIO 1/48	 LAT 4A* 1/48	 LAT 2A 1/48	 LAT 1A 1/48	 LAT 0.5A 1/48
RAPPORTO 1/108 RATIO 1/108	 LAT 4A* 1/108	 LAT 2A 1/108	 LAT 1A 1/108	 LAT 0.5A 1/108
CICLI FUNZIONALI DUTY CYCLES	<p><u>4A Ciclo funzionale:</u> (*) solo 12 V</p> <p><u>4A Duty cycle:</u> (*) only 12 V</p> <p>20% On 80% Off</p>	<p><u>2A Ciclo funzionale (12V):</u> <u>2A Duty cycle (12V):</u> 50% On 50% Off</p> <p><u>2A Ciclo funzionale (24V):</u> <u>2A Duty cycle (24V):</u> 20% On 80% Off</p>	<p><u>1A Ciclo funzionale (12V):</u> <u>1A Duty cycle (12V):</u> 80% On 20% Off</p> <p><u>1A Ciclo funzionale (24V):</u> <u>1A Duty cycle (24V):</u> 50% On 50% Off</p>	<p><u>0.5A Ciclo funzionale (12V):</u> <u>0.5A Duty cycle (12V):</u> 90% On 10% Off</p> <p><u>0.5A Ciclo funzionale (24V):</u> <u>0.5A Duty cycle (24V):</u> 80% On 20% Off</p>

NOTE GENERALI:  
GENERAL NOTES:

-il motore da 4A viene fornito solo a 12 Vc.c.  
-4A motor available only to 12 Vd.c

-potenza resa ottimale al 50% corrente max (zona grafico non tratteggiata)  
-optimal power yield to 50% max.current (look grafic in zone without sketch)

-sovratemperatura max.70° C - A richiesta protettore termico incorporato  
-max.overtemperature 70° C - on request termic protector inside



# ENCODER

## DESCRIZIONE

*Description*

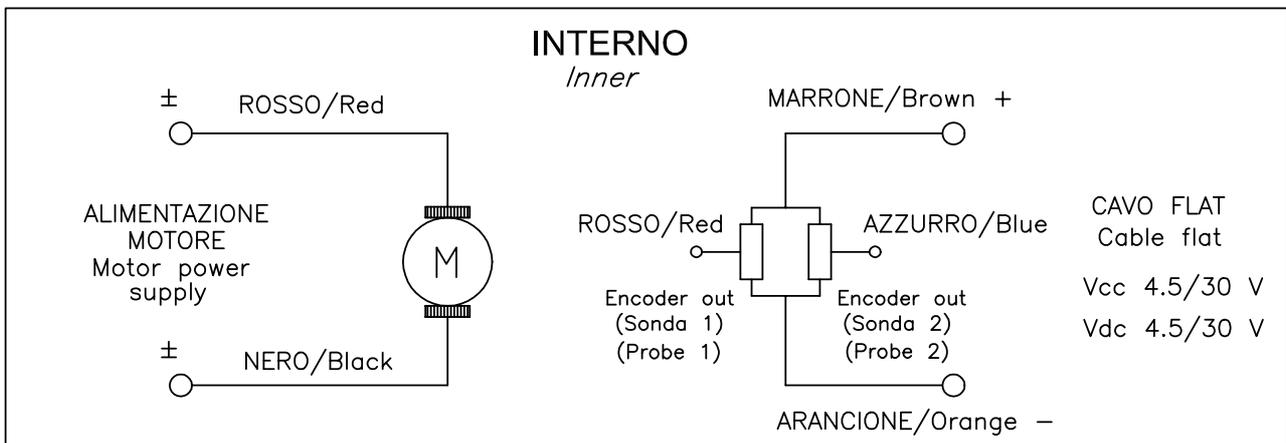
Encoder magnetico a sonda di Hall di ridotto ingombro posto internamente all' attuatore.

*Magnetic encoder with Hall's probe put inside the actuator/gearmotor.*

## SCHEMA ELETTRICO

*Electric scheme*

Tensione di alimentazione della sonda di Hall : Vc.c. da 4.5 a 30 Volt max. Per collegamenti vedere "schemi di collegamento"  
*Hall's probe supply voltage: Vd.c. from 4.5 to 30V max*



Sonda 1: rilevamento e controllo posizione vite (su attuatore) o albero (su motoriduttore)  
*Probe 1: survey and screw position check (on actuator) or shaft (on gearmotor)*

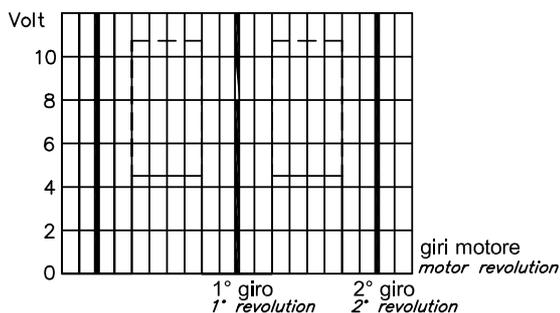
Sonda 2 (solo su richiesta) : rilevamento senso di avanzamento vite o rotazione albero  
*Probe 2 (on request): advance sense survey screw or shaft rotation*

TENSIONE IN USCITA VINCOLATA A TENSIONE DI ALIMENTAZIONE DA 4.5 A 30 V  
*Output voltage is bound to power supply from 4.5 to 30 V*

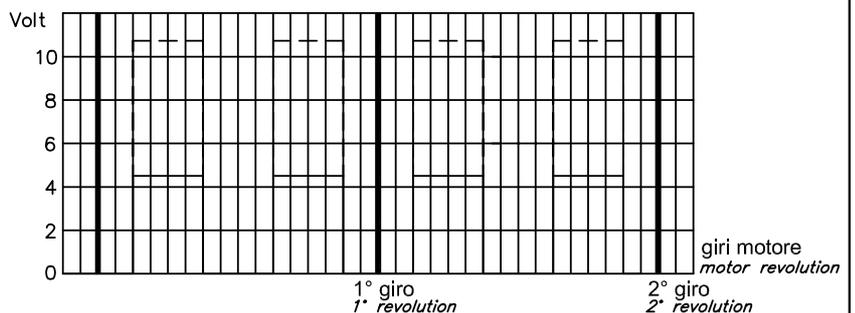
## VERSIONI DISPONIBILI

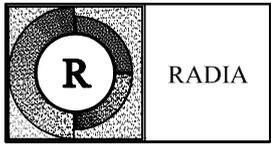
*Available versions*

ENCODER 1 POLO (1 IMPULSO/GIRO)  
*Encoder 1 pole (1 pulses/motor revolution)*



ENCODER 4 POLI (2 IMPULSI/GIRO)  
*Encoder 4 poles (2 pulses/motor revolutions)*

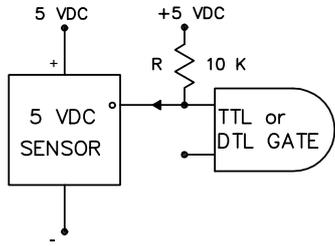




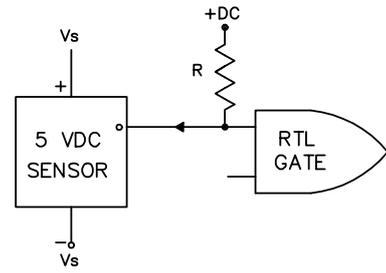
# SCHEMI COLLEGAMENTO ENCODER

## ENCODER'S CONNECTION OUTLINES

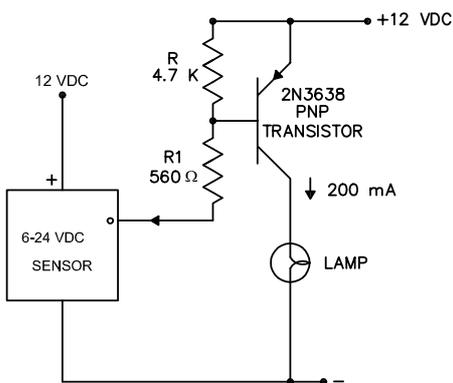
1.



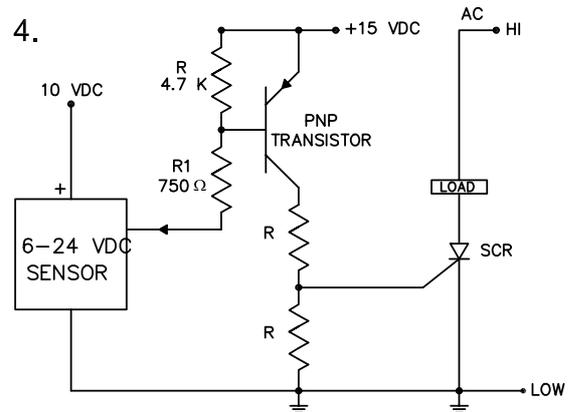
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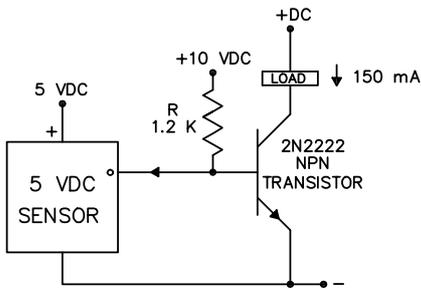
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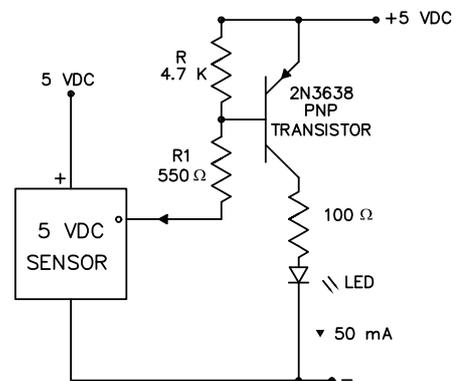
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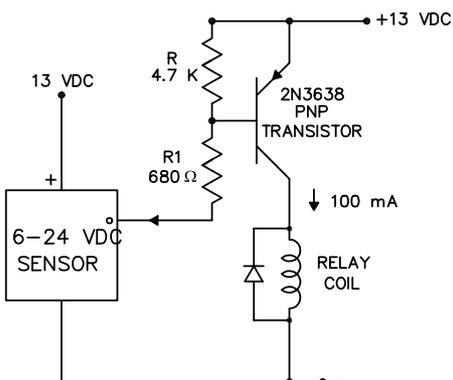
5.



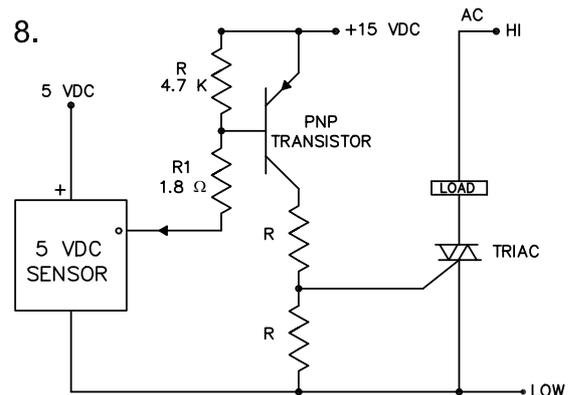
6.



7.

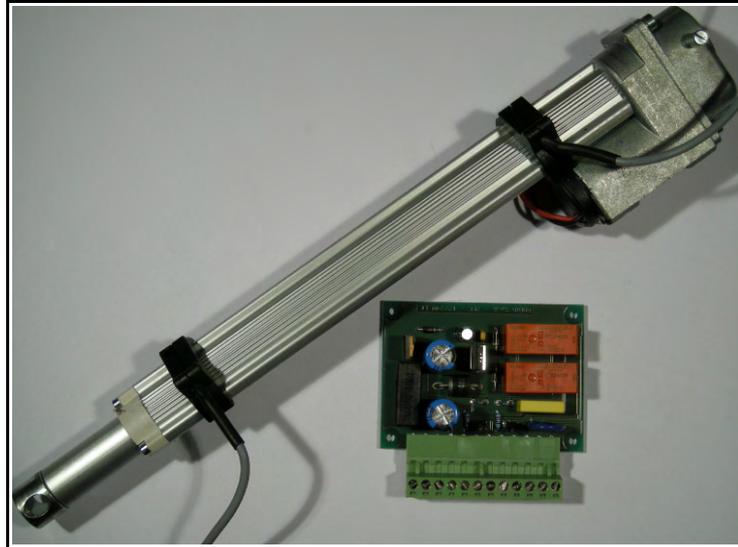


8.



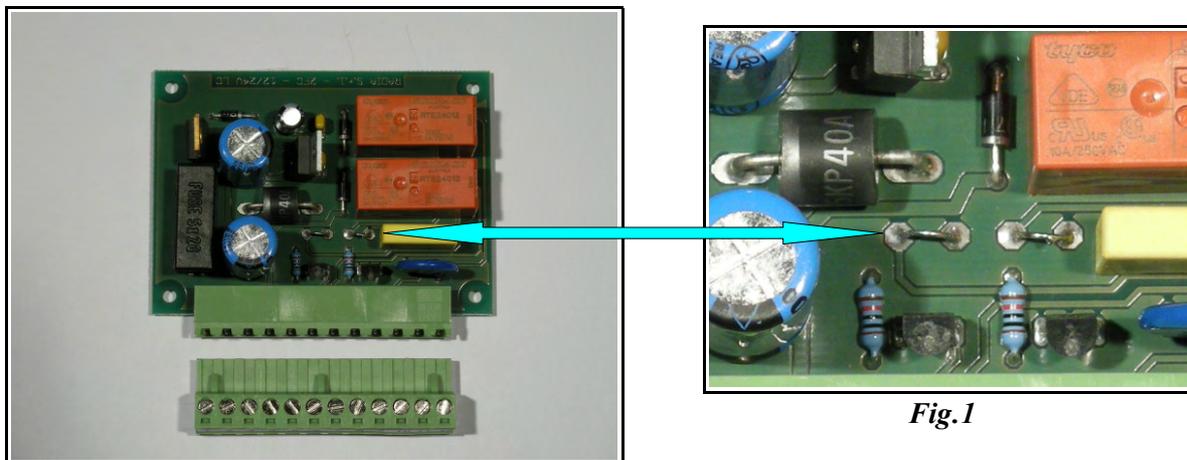


## SCHEDA CONTROLLO SENSORI MAGNETICI *Electronic board for magnetic sensors*



**Dimensioni scheda / Board dimension (mm) :** 82,5x77x28(h)

**Fissaggi / Fixing:** n.4 fori d.3,2 (interassi centro fori 73,5 – 52) / n.4 holes d.3,2 (holes centre 73,5 – 52)



*Fig.1*

**I due ponticelli indicati in figura 1 hanno la funzione di variare il funzionamento dell'attuatore in:**  
*The small bridges (see fig.1) can be change the actuator function to:*

a) **Ciclico:** premendo con un tocco il pulsante P1 o P2 l'attuatore va automaticamente al fine corsa impostato. In tal caso i ponticelli non devono essere toccati.

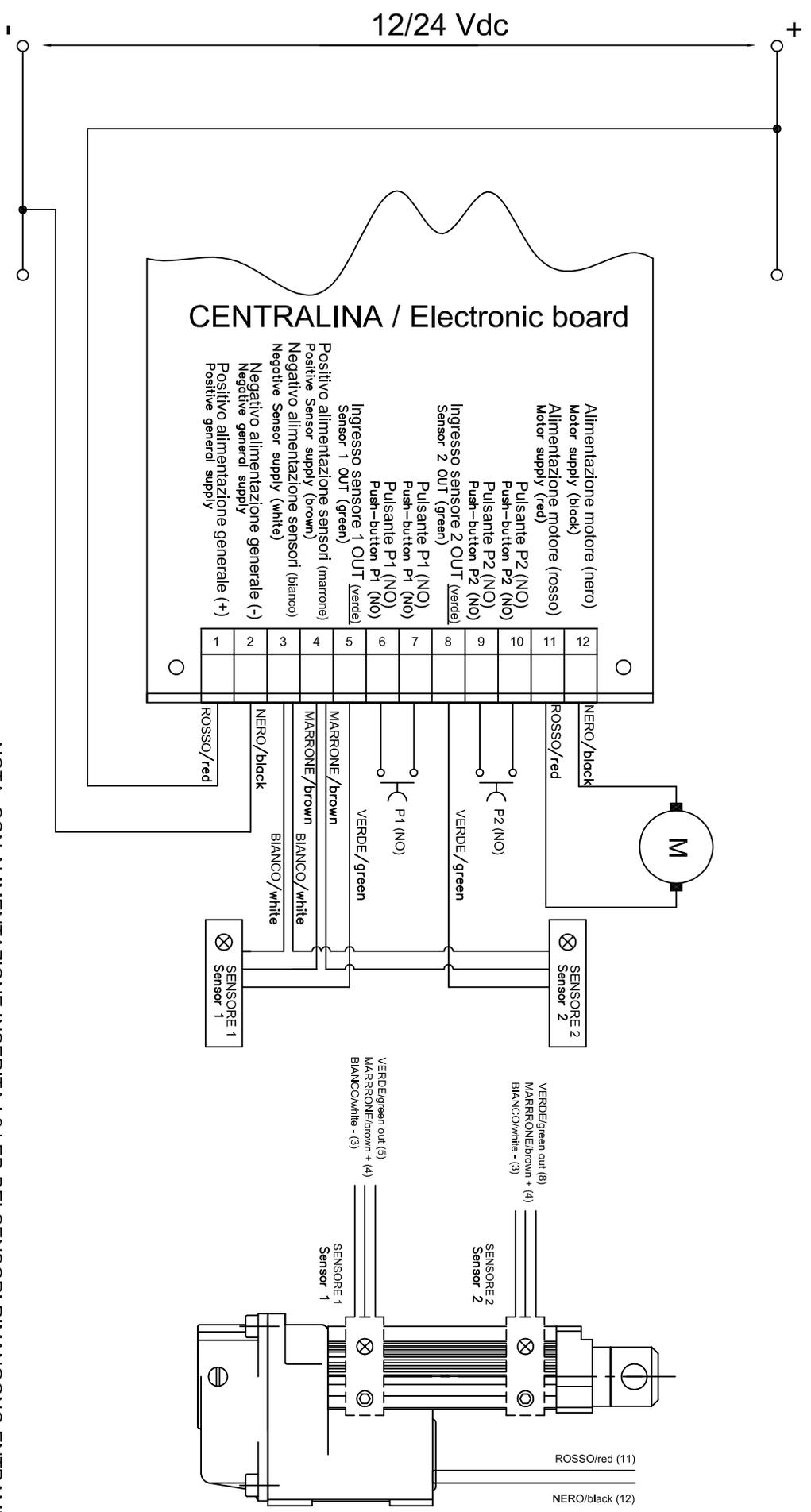
*a) Cyclic: press one times the push-button P1 or P2 the actuator to go in automatic until setting out position sensor.*

b) **Ad impulso:** l'attuatore avanza solo quando viene premuto il pulsante P1 o P2 fino al raggiungimento del finecorsa impostato.

In questo caso devono essere tagliati i due ponticelli indicati in fig.1

*b) To impulse: the actuator to advance only when press the push-button P1 or P2 until setting out position sensor. In this case is necessary cut two small bridges to show in fig.1*

**SCHEMA COLLEGAMENTO CENTRALINA COMANDO SENSORI**  
Outlines for magnetic sensors board



NOTA: CON ALIMENTAZIONE INSERITA I 2 LED DEI SENSORI RIMANGONO ENTRAMBI ACCESI A BASSA LUMINOSITA' AD INDICARE LA FUNZIONALITA' DEL SISTEMA, QUANDO ATTIVI PASSANO AD ALTA LUMINOSITA'.

NOTE: WITH SUPPLY "ON" LEDS TO REMAIN LIGHTED WITH LOW LUMINOSITY TO STATE THAT SYSTEM FUNCTIONALITY, WHEN SENSOR IS ACTIVE THE LED IS WITH HIGH LUMINOSITY.

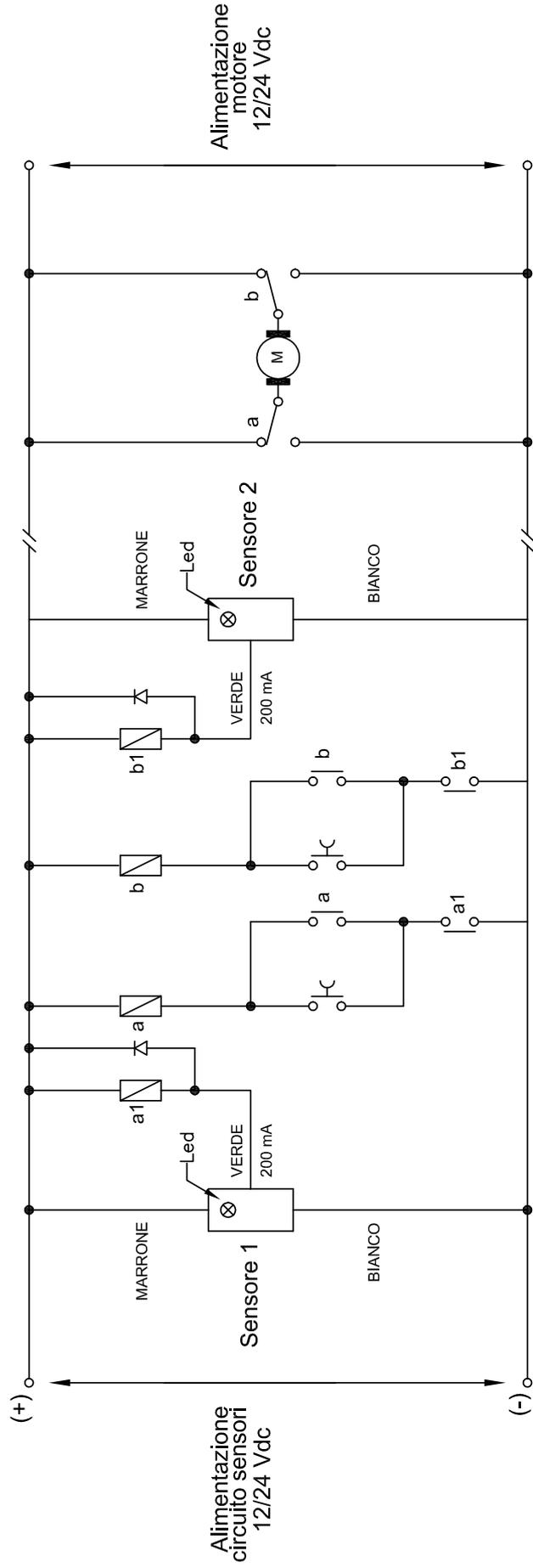


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# SOLUZIONE PER UTILIZZO FINECORSA ELETTRONICI/MAGNETICI

## Comando a pulsanti

Data: 08/09/2006



a1-b1: rele' a 1 contatto in scambio -corrente di commutazione 2A min. ] TENSIONE BOBINA 12/24 Vdc  
 a-b: rele' a 2 contatti in scambio -corrente di commutazione 7A min. ] A SECONDA DELLA TENSIONE DI ALIMENTAZIONE

