

Regavolt®

VARIABLE TRANSFORMER

200 & 300 SERIES

INSTRUCTIONS

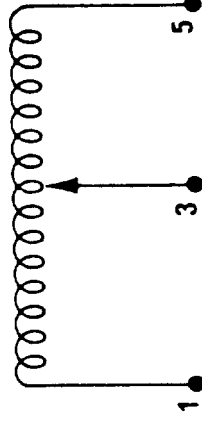
170-638

Series 200 and 300 'REGAVOLT' transformers are supplied for 'back of panel' mounting only. Mounting is by centre bush $3/8"$ x 32 T.P.I. $3/8"$ long and hex. nut .525" A.F. A locating peg .12" diameter on a radius of 0.5" is provided. Max. panel thickness $1/4"$.

Connections Diagrams

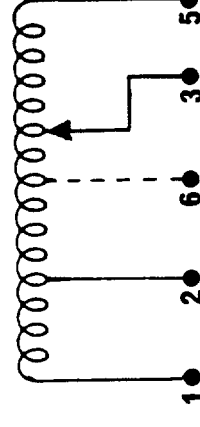
Connections 200 Series — Solder Tags

300 Series — Solder Tags and .187" Push on Tabs



Connect the supply line and neutral to tags 1 and 5 and the output line and neutral to tags 3 and 5 respectively. Ensure that neutral 5 is common to input and output.

Model 301-C



Connect the supply line and neutral to tags 2 and 5 and the output line and neutral to tags 3 and 5 respectively. Ensure that neutral 5 is common to input and output. If line voltage connection is required connect as model 301.

Models with centre taps are designated TC e.g. 301-TC and centre taps are connected to terminal No.6.

SALES AND SERVICE

CLAUDE LYONS LTD

WORKS

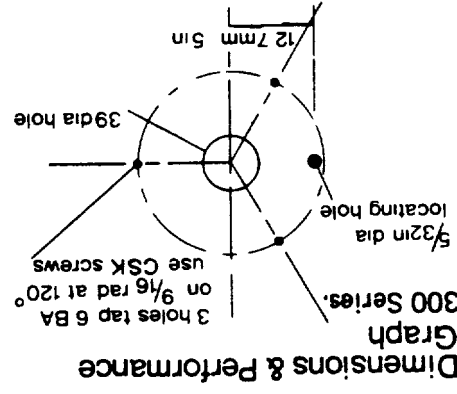
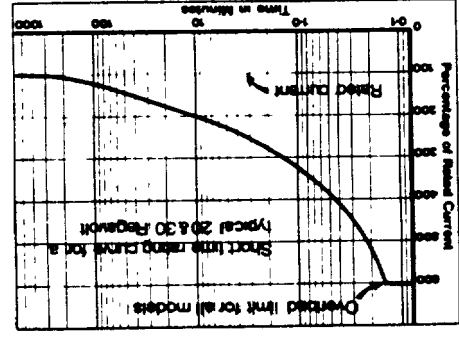
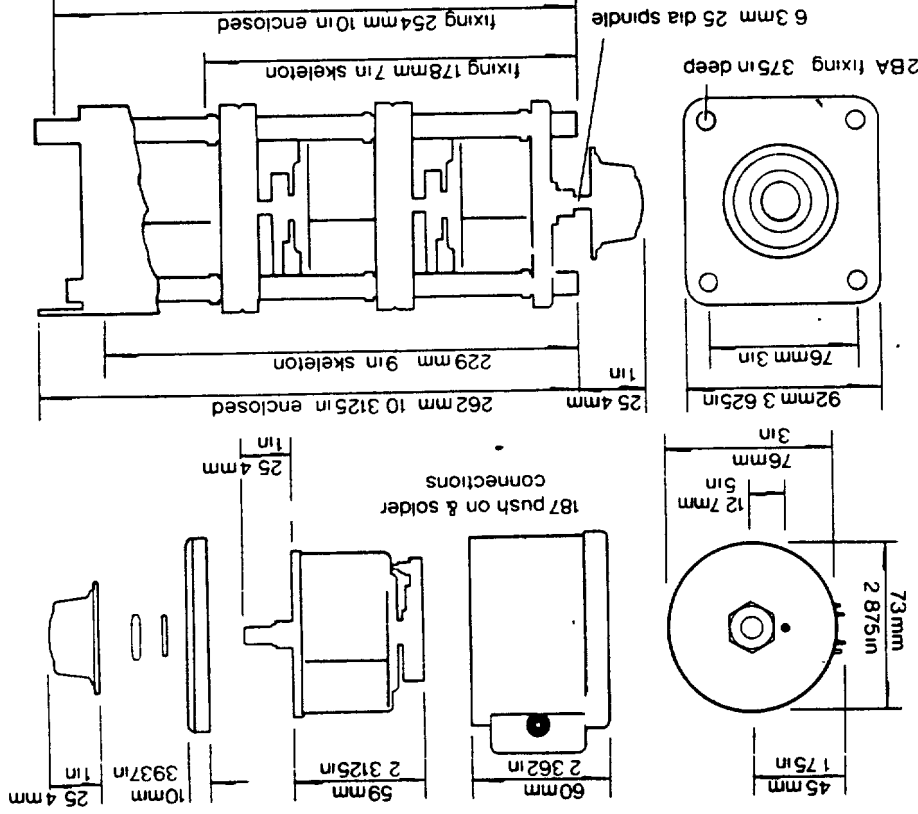
CLAUDE LYONS CONTROLS LTD

Ware Road, Hoddesdon, Herts.

Brook Road, Waltham Cross, Herts.

Tel: Hoddesdon (09924) 67161

Tel: Lea Valley (0992) 763600



Dimensions & Performance Graph

Earthing

is through centre bush.

Fuses

It is strongly recommended that 'REGAVOLT' transformers are protected by a fuse link placed in the output circuit.

OUTPUT RATINGS

Model	Max. Input Volts	Output Volts	Current Rated	Amps Max.	Supply Frequency	No Load Loss Watts
201	25V	0-25V	1.0	1.0	47-65HZ	1.5
	120V	0-120V	1.0	1.0	400HZ	1.5
301	254V	0-100% of Input	0.5	0.75	47-65HZ	3
301-C	234V	0-109% of Input	0.5	0.75	47-65HZ	3
301L	127V	0-100% of Input	1.75	1.75	47-65HZ	3

REPLACEMENT BRUSHES

201 - BR236 301 - 301-C BR 236

DRIVING TORQUE

All 200 & 300 Series Single Units 0.36 Kg cm (5 oz ins)

Maintenance

With normal care and attention to the operating instructions, little maintenance is required. The winding track should be kept clean with an occasional dusting with a soft brush or wiping over with a trichlorethylene cloth.

If track becomes pitted due to over-load or corrosion, careful cleaning with fine glass paper to restore the bright surface of the copper winding, may be carried out. The low brush pressure allows long life but when replacement eventually becomes necessary, lift spring carefully remove split pin and remove brush. Reverse procedure for fitting new brush. Bed the brush in by inserting a piece of emery polishing paper, grade 3/0, between the brush and track abrasive side in contact with brush. Holding paper, move brush arm backwards and forwards in about 12 mm sweeps two or three times. Lift brush arm and withdraw paper.

GRAPH 200 SERIES
DIMENSIONS & PERFORMANCE

