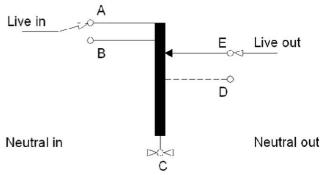
## ENCLOSED SINGLE PHASE VARIABLE TRANSFORMERS INSTALLATION AND SAFETY INSTRUCTIONS

Manufactured to BS 7452 / IEC 989

- 1. Read all of these instructions before you use the transformer
- 2. This variable autotransformer is not designed to provide mains isolation
- 3. Variable autotransformers operate at mains voltages
  DO NOT EXCEED THE MAXIMUM VOLTAGE AND CURRENT RATINGS
- 4. Connection and maintenance should only be carried out by suitably qualified personnel Note: Remove the protective packing disc from the carbon brush before use
- 5. The input lead to the unit should be either hard wired to an enclosed mains source or fitted with a suitable rated plug.
- The output lead should be either hard wired inside the equipment it is to operate or wired to a suitable socket.
- 7. The terminal marked "C" is a common neutral for both the supply input and the load output.
- 8. The load must always be connected across the output, "E" and "C" terminals, **NEVER** connect the load in series with the transformer
- 9. The centre tap "D" terminal is for operation in a Buck-Boost configuration not 110V to 120V input supply operation
- 10. Carbon brushes should be inspected for damage and wear, faulty and worn brushes will result in damage to the transformer winding.
- 11. These units are Class 1 insulated and must not be tested on Portable Appliance Testers (PAT) as Class 2 double insulated products. Flash test only at 2.0KV. Flash test only between Earth and Live **DO NOT** flash test between input and output

Model	Output	Style	Α	В	С	D	Е	Ø
CMV2E-1	2A	Α	160	130	46	123	32	4
CMV3E-1	3A	Α	160	130	46	123	32	4
CMV5E-1	5A	В	175	146	30	115	35	11
CMV8E-1	8A	В	175	146	30	135	35	11
CMV10E-1	10A	В	175	146	30	135	35	11
CMV15E-1	15A	В	220	176	37	148	42	11
CMV20E-1	20A	В	220	176	37	148	42	11
CMV28E-1	28A	В	276	238	80	177	43	13

## WIRING INSTRUCTIONS



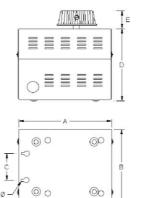
Connection "D" is only present on units rated 5 Amps and higher for Buck-Boost applications.

Input "C" and "A" Output 0 - 100% of input

Input "C" and "B" Output 0 - 112% of input

Output Neutral "C" and Live, wiper arm contact, "E"

STYLE B



STYLE A

