

OPEN STYLE SINGLE PHASE VARIABLE TRANSFORMERS

INSTALLATION AND SAFETY INSTRUCTIONS

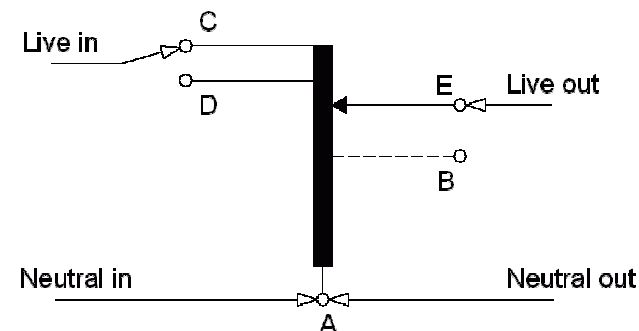
Manufactured to BS7452 / IEC60989



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. Installation 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 transformer is an open style unit and must be fitted into an enclosure or other protective environment before use
6. When connected to the mains supply the terminals, brushes, wiper arm and track surface are at mains voltage and potentially lethal on contact
7. The terminal marked "A" is a common neutral for both the supply input and the load output.
8. The load must always be connected across the output, "A" and "E" terminals, **NEVER** connect the load in series with the transformer
9. The centre tap "B" 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	A	B	C	D	E	Ø
CMV2F-1	2A	110	92	23	102	25	8
CMV3F-1	3A	110	92	23	115	30	8
CMV5F-1	5A	173	146	24	115	32	11
CMV8F-1	8A	173	146	24	125	33	11
CMV10F-1	10A	173	146	24	130	33	11
CMV15F-1	15A	220	176	23	134	39	10.5
CMV20F-1	20A	220	176	23	130	40	10.5
CMV28F-1	28A	295	238	42	169	49	14

WIRING INSTRUCTIONS



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

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

Input "A" and "D" Output 0 – 112% of input

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

