AUTOMEG

Automatic Insulation Tester

Electric Motor Insulation Monitor

UL FILE # E138380

MADE IN THE U.S.A.

*Automeg units require the use of an SD12-PC socket.

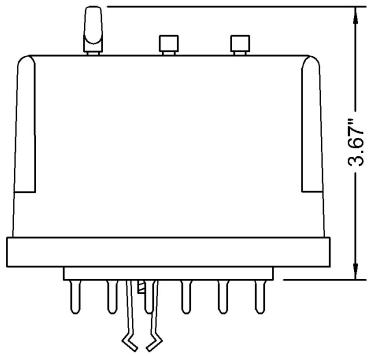
OPERATION

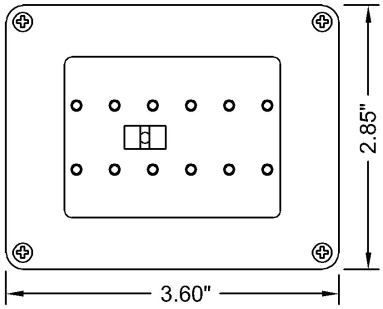
When power is applied, the power LED comes on. When a motor start signal is applied to pin 3, the middle LED comes on, showing that the 500VDC is being applied to the motor winding. If the winding is good, the Automeg completes the megging operation, and the motor start signal is then connected from pin 3 to pin 4.

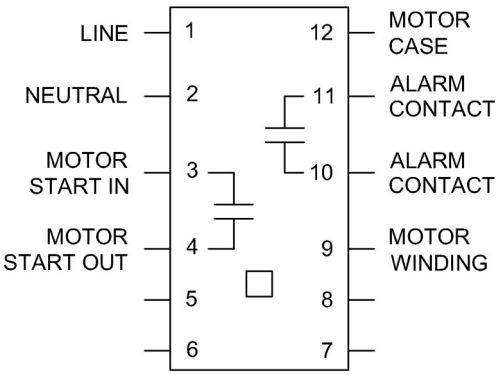
If the winding is bad, the Low Meg LED comes on, and the motor start signal will not be available at pin 4 to engage the motor starter. To unlatch the Low Meg alarm contact, depress the Motor Reset pushbutton. The Low Meg Alarm contacts, pins 10 and 11, are a normally open relay contact that closes upon the Low Meg Alarm condition.

An Emergency Bypass Switch is provided to bypass the megging process. Placing this switch in the bypass mode disables the megging circuit, and engages the motor start relay circuit, pins 3 and 4.

The Meg Test Button is used to verify that the Automeg unit will provide an indication for a Low Meg condition should the condition occur.







NOTES

1. A 1 Amp fuse is required at Pin 9 to protect the leakage circuit.
2. Use an Isolation contactor when using Automeg with Soft Starts and VFD's.
3. Periodically depress the Meg Test pushbutton to ensure that the unit displays the Low Meg LED indication
4. Periodically check that the Emergency Bypass Switch is not in the Bypass position.

SPECIFICATIONS

Input Power:	120VAC, 50-60Hz, 5.9VA (Pins 1,2)
Internal DC Voltage:	500VDC
Relay Contact Rating:	3A Normal, 30A Inrush 360VA Pilot Duty
Motor Run Relay:	SPST (Pins 3,4)
Low Meg Alarm Relay:	SPST (Pins 10,11)
Operating Temperature:	-20 to +60 °C
Storage Temperature:	-45 to +85 °C
Case:	Polycarbonate
Base:	Rhynite

ORDERING INFORMATION

With Socket: AITWS
Without Socket: AITWOS

Order from: C A Briggs Company; 622 Mary Street; Suite 101 - Warminster, PA 18974
Phone: 267-673-8117 - Fax: 267-673-8118; E-Mail: Sales@cabriggs.com - www.cabriggs.com