



# MAGNET-SCHULTZ

SOLENOIDS AND SOLUTIONS

## OVERVOLTAGE CONTROLLER

OVDC7-22

X10508

### INTRODUCTION

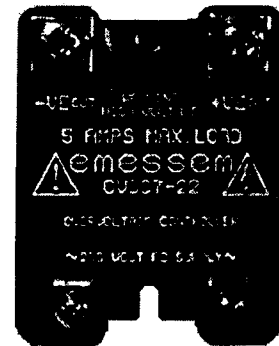
This Overvoltage Controller provides a high initial output voltage giving a high torque at switch on. The output voltage reduces after a preset time giving a lower hold voltage, this ensures that the solenoid operates at a lower overall working temperature.

### APPLICATIONS

Linear and rotary magnetic coils, magnetic door locks, solenoid valves and actuators

### FEATURES

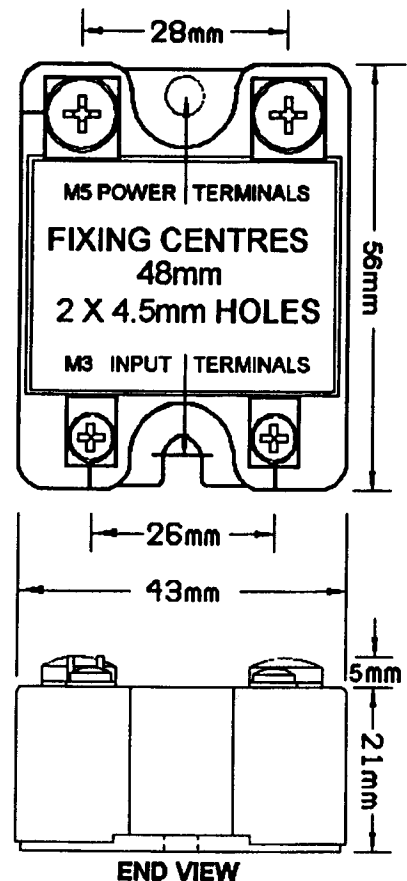
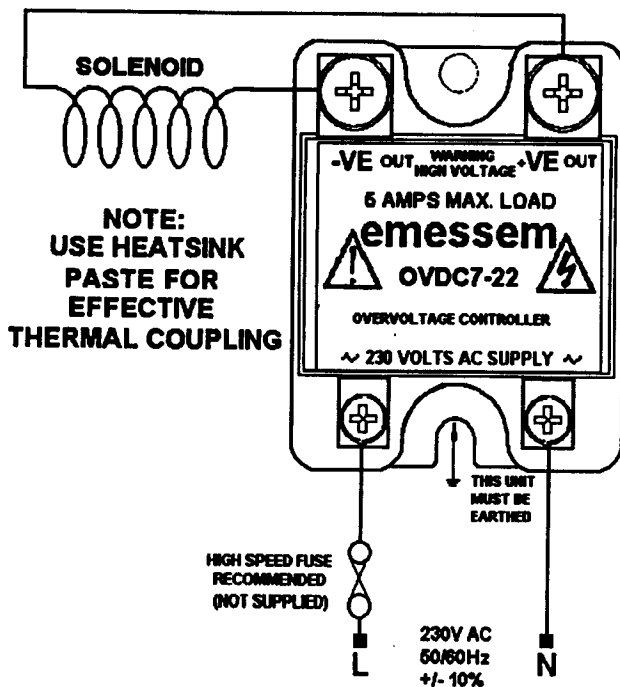
- Solid state reliability.
- Epoxy encapsulated.
- Simple wiring.
- Rugged and compact
- Energy Saving.



### INSTALLATION

#### SOLENOID CONNECTION FOR 230V SUPPLY

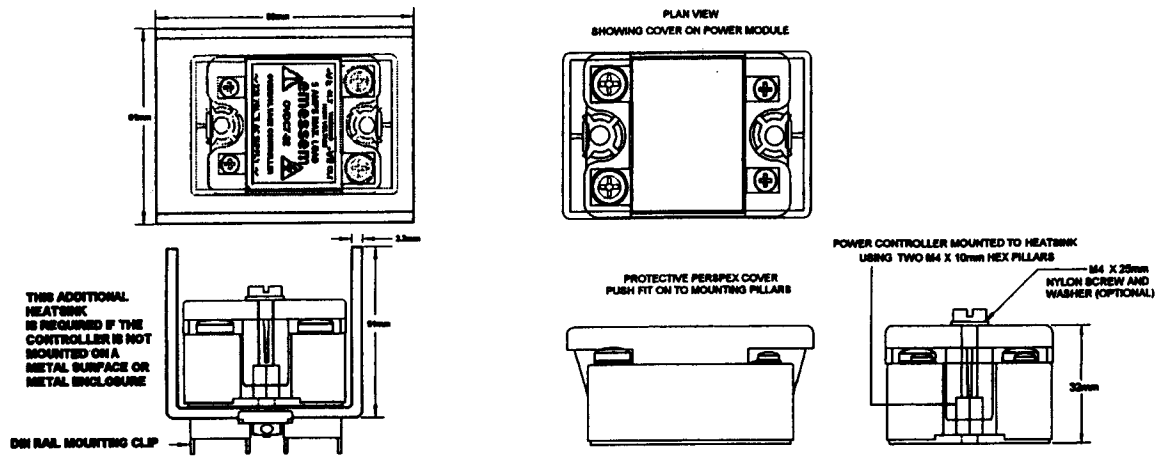
**WARNING**  
SWITCH OFF SUPPLY BEFORE  
COMMENCING ANY SERVICE WORK



## INSTALLATION

## COOLING REQUIREMENT

## MODULE COVER



## SPECIFICATIONS

Supply	230vAC $\pm$ 10% @ 50/60Hz
Stroke Voltage	205vDC $\pm$ 10%
Hold Voltage Continuous	79v-97v DC (with a Solenoid load [ 90v DC nominal])
Maximum Stroke Current	5A DC
Maximum Hold Current	2.2A DC
PWM Frequency	1.3KHz
Unit Operating Temperature Range	0-65°C

## FUNCTION

AC supply to this controller is initially full wave rectified for a fixed period of approximately 0.5 seconds. Thus supplying full DC output voltage for the initial stroke of the solenoid. After this period the output voltage to the solenoid is reduced to the continuous hold voltage for as long as the input AC supply is present

## FUSING

It is recommended to use semiconductor (fast acting) type fuses or circuit breakers (Semiconductor - MCB) for unit protection. On initial 'switch on' some loads may need an increased factor of safety (F of S) for unit and/or device protection. (See SRA Datasheet for further information).

## CE MARKING

This product family carries a "CE marking". This controller needs a suitable remote filter. For information see recommendation section and contact our sales desk.

## RECOMMENDATIONS

Other documents available on request, which may be appropriate for your application:-

CODE	IDENTITY	DESCRIPTION
X10229	RFI	Filtering recommendations - addressing EMC Directive
X10213	ITA	Interaction, uses for phase angle and for burst fire control.
X10255	SRA	Safety requirements - addressing the Low Voltage Directive (LVD) including:- Thermal data/cooling ; "Live" parts warning & Earth requirements; Fusing recommendations.

**NOTE** It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.E. wiring regulations (BS7671) by suitably qualified/trained personnel. The regulations contain important requirements regarding safety of electrical equipment (For International Standards refer to I.E.C. directive IEC 950).

## ORDER CODE

State part number: OVDC7-22

Optional extras include: Heatsink paste Heatsink assembly



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