



# Commander Module for FC36M & FC36MV firing circuits

CM-FC36(M/MV)  
X10652

## INTRODUCTION

The CM-FC36(M/MV) Commander module (CM) is a remote 'Human Machine Interface' (HMI) programming and display console. It incorporates a simple keypad to input data and a console that displays all the functional information relating to the firing circuit settings. Connections are made by a standard RJ45 lead. Once connected, all functional parameters and settings may be configured on either the FC36M or FC36MV firing circuit.

## APPLICATIONS

Specifically designed for use with the FC36M and FC36MC Microprocessor-based three phase firing circuits.

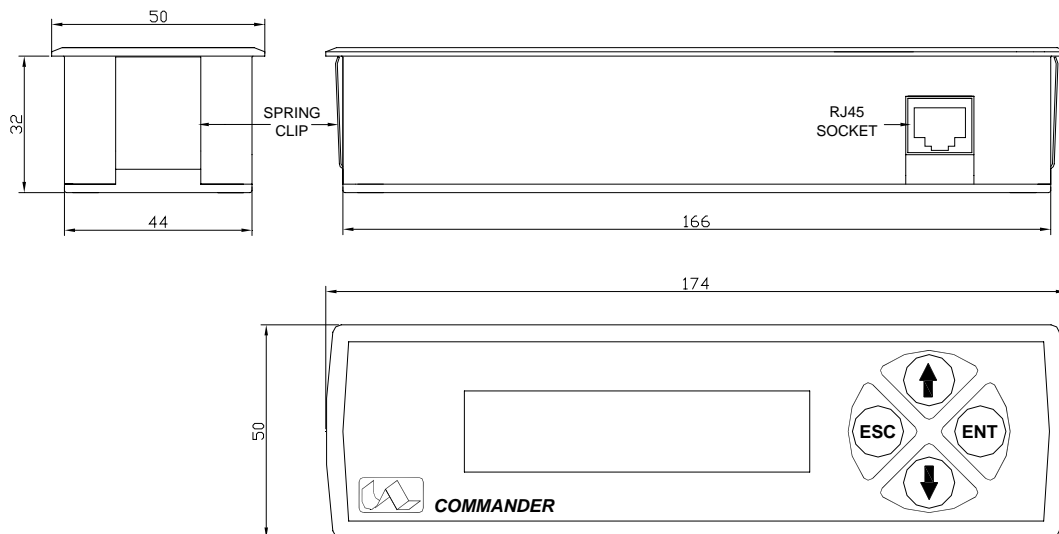
## FEATURES & USE

- Compact and user friendly controls
- Portable (removable) or panel (fixed) mounting
- **CM** Program locking facility
- Set parameter and Copy facility
- Simple RJ45 connections
- Easily read – back-lit LCD display
- Tamper proof 'PIN' protection



## INSTALLATION

### Fixing/Mounting/Dimensions



## SPECIFICATIONS

### General specifications

Supply voltage - DC:	5V
Current – DC (Max.):	60mA
Compatibility (FC36M / MV) :	Issue-5 + / Issue-1 +
Communication Interface:	'Direct'
IP rating (front panel only):	IP65
Panel cutout:	45mm x 168mm
<b>RJ45 socket connection:</b>	Underside entry

### Display specifications

Current Limit set :	(0 to 100% ) of 5V DC
Analogue:	select
Digital:	select
Resistive Load:	Standard selection
Inductive Load:	Delay selection
Current limit:	On/Off
Phase rotation sensing:	Displayed
Programming selection:	PCB or <b>(CM)</b>
Firing Control:	Burst fire or Phase angle
Soft start option:	ON/Off
Phase failure detection:	FC36MV only

### Parameter programming options

Current set  
Current trip  
Soft/Hard start – Stop  
Ramp up/Down time  
Digital/Analogue  
Inductive/Resistive Load  
Standard/Delayed Timing

### Additional requirements

RJ45 connection lead:	(see ORDERING)
SCR Firing Circuit PCB:	FC36M or FC36MV

## RECOMMENDATION

Other documents available on request, which may be appropriate for your applications.

CODE	IDENTITY	DESCRIPTION
X10248	FC36M	Data sheet
X20004	FC36M	FC36M User Installations Manual
X20005	CM-FC36(M/MV)	Commander Module- programming manual
X10621	FC36MV	Data sheet
X20006	FC36MV	FC36M User Installations Manual
AP02/4	COS	UAL Conditions of sale

**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 IEC950).

### ORDERING:

State part number: A402131 - CM-FC36(M/MV)

#### *Optional extras:*

Connections lead – 0.5M long	J02004 - RJ45 -0.5M
Connections lead – 1.0M long	J02001 - RJ45 -1M
Connections lead – 3.0M long	J02002 - RJ45 -3M
Connections lead – 5.0M long	J02003 - RJ45 -5M

Optional RJ45 socket connection – rear entry - contact our technical sales desk, see below.  
Optional Bespoke (customer specified) fascia membrane – contact our technical sales desk, see below.

*(contact our technical sales desk for more information)*



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