Commander Module CM-FC36(M/MV)

For FC36M & FC36MV Firing Circuits

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KEY FEATURES:

✓ **Compact and User-Friendly Design:** Intuitive keypad and back-lit LCD display for easy operation.

✓ **Flexible Mounting Options:** Can be used as a portable unit or fixed for panel installation.

✓ **Secure Programming:** Includes a program locking facility with tamper-proof PIN protection.

✓ **Easy Connectivity:** Simple RJ45 connections for seamless communication with firing circuits.

✓ **Comprehensive Control:** Allows setting, adjusting, and copying parameters across FC36M and FC36MV firing circuits.

✓ **IP65 Front Panel Protection**

APPLICATIONS:

➢ **Industrial Power Control:** Specifically designed for use with the FC36M, FC36MV and FC36MC microprocessor-based, three-phase firing circuits.

The **CM-FC36(M/MV) Commander Module** is a versatile and user-friendly remote Human Machine Interface (HMI) specifically designed for programming and displaying settings of the FC36M and FC36MV three-phase firing circuits. Featuring a simple keypad and a back-lit LCD display, this compact module allows for easy input and monitoring of all functional parameters, providing precise control over your firing circuits.

Connections are made effortlessly via a standard RJ45 lead, ensuring quick and reliable communication between the Commander Module and the firing circuits. The CM-FC36(M/MV) can be used as a portable handheld device or fixed for panel mounting, offering flexibility in various industrial environments.

TECHNICAL SPECIFICATIONS

General Specifications	
Supply Voltage	5V DC
Current (max.)	60mA DC
Compatibility (FC36M/MV)	Issue-5 + / Issue-1 +
Communication Interface	'Direct'
IP Rating (front panel only)	IP65
Panel Cut-out	45mm x 168mm
RJ45 Socket Connection	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 (CM)
Firing Control	Burst-fire or phase-angle
Soft Start Option	On/Off
Phase Failure Detection	FC36MV only
Additional Requirements	
RJ45 connection lead	(See ORDERING)
SCR firing circuit PCB	FC36M or FC36MV
Parameter Programming Options	

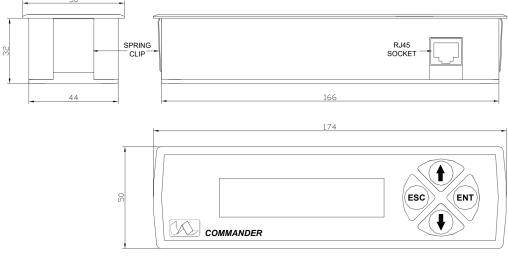|	
➢ Current set	➢ Digital/Analogue
➢ Current trip	➢ Inductive/Resistive Load
➢ Soft/Hard Start – Stop	➢ Standard/delayed timing
➢ Ramp up/down time	

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More Info: https://united-automation.com/general-product-safety-regulation-gpsr/

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INSTALLATION & DIMENSIONS

RECOMMENDATIONS

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 information.

DOCUMENTS

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

Code	Identity	Description
X10248	FC36M	Data Sheet
X20004	FC36M	FC36M User Installations Manual
X20005	CM-FC36(M/MV)	Commander Module – programming manual
X10622	FC36MV	Data Sheet
X20006	FC36MV	FC36MV User Installations Manual
X10255	SRA	Safety Requirements: Addressing the Low Voltage Directive (LVD)
P01.1	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.T. (formally I.E.E.) regulations (BS7671) by suitably qualified/trained personnel. The regulations contain important requirements regarding installation and safety of electrical equipment. Specific installers should refer to local and national regulations.

OPTIONAL EXTRAS

Product Code	Product Description
J02001	RJ45 lead - Connections lead – 1.0m long
Contact our sales desk	Optional RJ45 socket connection – rear entry
	Optional Bespoke (customer-specified) fascia membrane
For more details, please contact us enquiries@united-automation.com	

PRODUCT CODE AND RELATED PRODUCT CODE

Product Code	Product Description
A402131	Commander Module – CM-FC36 (M/MV)