

**METER - AUTOMATIC CONTROLLER
MODEL - MCS_1PMEAU**



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The digital display meters are a new generation of programmable meters , which are mainly used in the real-time measurement and indication on voltage in an electric circuit With features of high precision, good stability calibration-free long-term operation. The **METER AUTOMATIC CONTROLLER** is a digital device designed to protect 1-phase motor from Dryrun amps, overload amps, low voltage and high voltage. It offers accurate monitoring and control of your motor performance, ensuring efficient operation and preventing damage. It is suitable for all 1-phase motors.

SPECIFICATION:

MODEL	: MCS_1PMEAU
TYPE	: DIGITAL
BOX	: PVC BOX
COLOUR	: BLACK
INPUT SUPPLY	: 1-PHASE
OPERATING VOLTAGE	: 230 VAC
PACKAGE CONTAINS	: 1x METER CONTROLLER, 1x CT COIL 20A, 1x USER MANUAL.

FEATURES:

- 7SEGMENT LED DISPLAY.
- SINGLE PHASE PREVENTER.
- HIGH & LOW VOLTAGE PROTECTION.
- OVER LOAD & DRY RUN PROTECTION.
- CURRENT SENSING PHASE -1(1CT).
- VOLTAGE & AMPS CALIBRATION.
- CYCLIC TIMER OPTION.
- DRYRUN RESTART TIMER OPTION.
- AUTO START TIMER OPTION.
- STARTING CAPACITOR TIMER OPTION.
- WATER LEVEL CONTROLLER OPTION.
- ROTOR LOCK OPTION.

ADVANTAGES:

- SUITABLE FOR ALL BUTTON STARTER.
- DIGITAL VOLT & AMP METER.
- ACCURACY WITH TRIPPING & DISPLAY FAULT STATUS.
- USER FRIENDLY TIMER AND VOLTAGE SETTINGS.
- AUTO / MANUAL MODE OPERATION.
- EASY INSTALLATION AND MAINTENANCE.

DESCRIPTION:



1. SEQUENCE LED
2. 7SEGMENT DISPLAY
3. MENU BUTTON
4. INCREMENT BUTTON
5. DECREMENT BUTTON
6. IN/OUT CONNECTOR

FUNCTION:

Turn on the power supply, if the voltage is normal, the green led will turn on, and the display will show the real-time voltage in the AC circuit. The controller is now ready to monitor the power supply condition. If the upper tank water level is empty, the controller will turn on the motor automatically, and if the upper tank water level is full, it will turn off the motor automatically based on the float sensor output. A cyclic timer, which will allow the user to switch on or off the motor at the user's set time. If the auto-start timer is enabled, the motor will turn on automatically when the power is on, based on the user-set time. A dry run restart timer is used to turn on the motor based on the user-set dry run restart timer.

WIRING DIAGRAM:

Fig 1: 1PHASE METER AUTO WITHOUT TOGGLE WIRING DIAGRAM

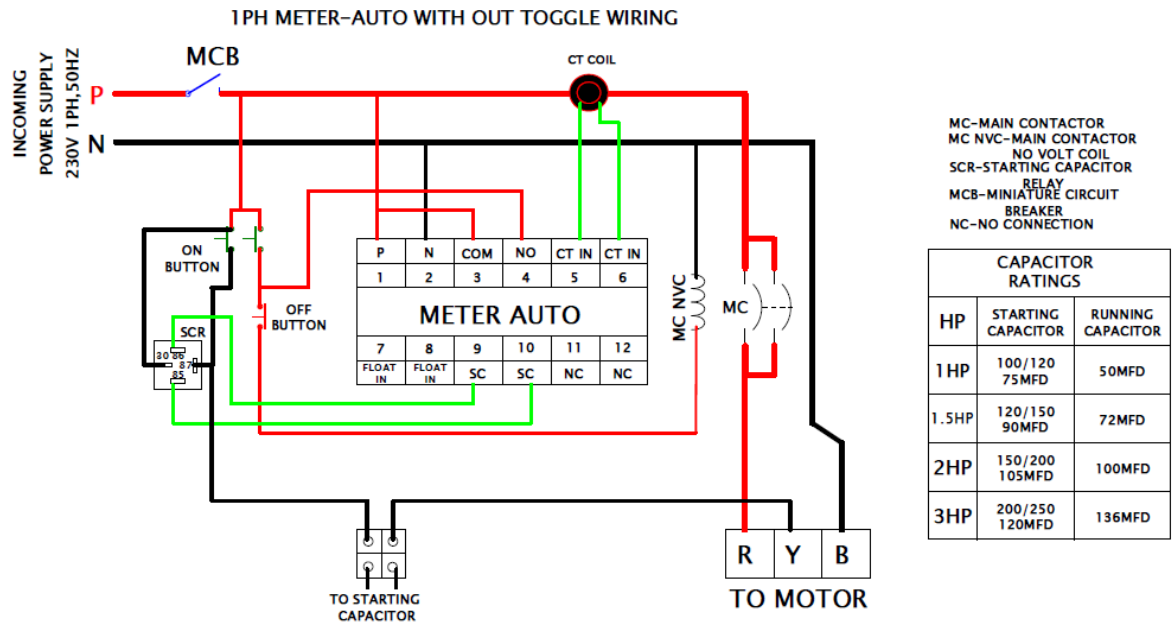
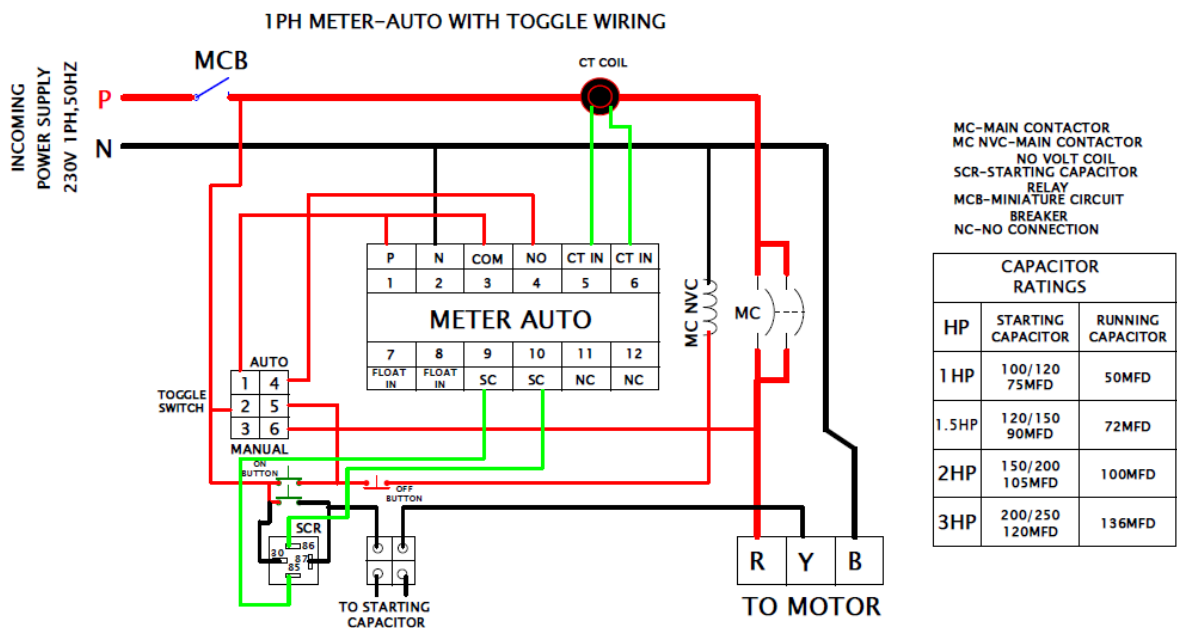
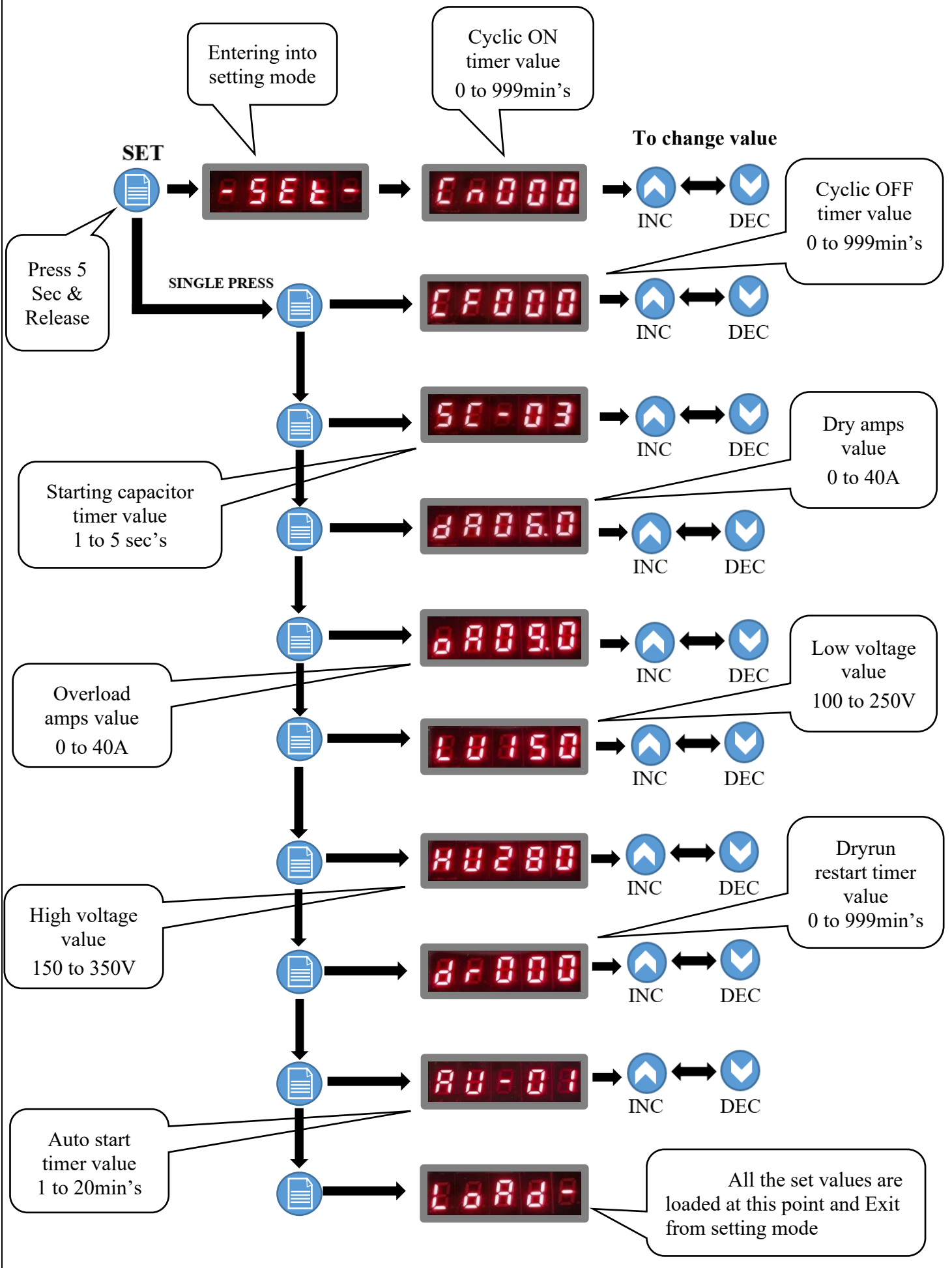


Fig 2: 1PHASE METER AUTO WITH TOGGLE WIRING DIAGRAM.



NOTE: ALWAYS DISCONNECT POWER BEFORE INSTALLATION OR MAINTENANCE.

SETTINGS:



AUTO AMPS AND VOLTAGE-SET MODE:

- Long Press DEC Button while motor in running condition to set the DRYRUN & LOW VOLTAGE value for 80% and OVERLOAD & HIGH VOLTAGE value for 120% of reading value (A-SEt).



WATER LEVEL CONTROLLER MODE:

- Long Press DEC Button while motor off to Enable the Water Level Option.
- Long Press DEC Button while motor off to Disable the Water Level Option.








AUTO START TIMER MODE:

- Long Press INC Button while controller on to Enable the AUTO START TIMER option.
- Long Press INC Button while controller on to Disable the AUTO START TIMER option.



FAULT INDICATION AND SOLUTION:

DISPLAY	ABBRIATION	SOLUTION
	DRYRUN FAULT	1. CHECK WATER LEVEL OF BOREWELL 2.CHECK SETTINGS
	OVERLOAD FAULT	1.CHECK MOTOR CONNECTION 2.ENSURE GATEVALVE IS OPEN
	LOW VOLTAGE FAULT	1.CHECK INPUT VOLTAGE
	HIGH VOLTAGE FAULT	1.CHECK INPUT VOLATGE
	ROTOR LOCK FAULT	1.CHECK MOTOR

Thank you for choosing the **METER AUTOMATIC CONTROLLER**. This user manual provides comprehensive information to help you operate and maintain your device effectively. If you have any further questions or require technical support, please contact our customer service team.



WARRANTY:

CUSTOMER NAME:

MOBILE NUMBER:

ADDRESS:

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SERIAL NO: BATCH NO:

E-MAIL:

PURCHASE DATE:

DEALER DETAILS:

***NOTE:**

WARRANTY NOT APPLICABLE FOR PHYSICAL DAMAGE, WATER DAMAGE, NATURAL DISASTER, HIGH VOLTAGE FROM MAINS AND THIRD-PARTY REPAIRS.

----- NOTES -----

MANUFACTURED BY:

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