

# KURA INDIA

DIMC  
Digital intelligence Motor Controller

## ***OPERATOR'S*** **INSTRUCTION MANUAL**

Please read this manual before Installing this system, and keep it for future reference.



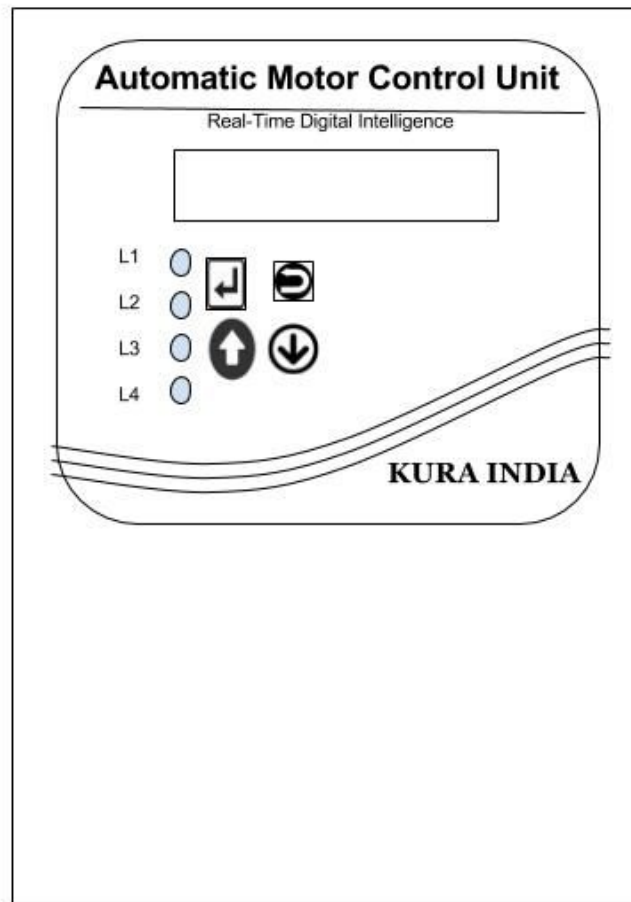
[www.digitalkura.com](http://www.digitalkura.com)

Kura India provide products for home, offices, industries, automobile and smart city. We believe in technology driven innovations for everyone and provides reliability & complete satisfaction to the customer by reducing the human error and electricity consumption as well as giving you an effortless comfortable modern life style.

Our Products are futuristic in terms of technology and give you the sense of luxurious lifestyle. We are dedicated to build the product which are automated as well as energy saving and that too in pocket friendly prices.

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## CONGRATULATION

Congratulations and thank you for choosing KURA INDIA. We are sure, you will find your new appliance a pleasure to use. Before you use the appliance, we recommend that you go through the relevant sections of this manual, which provides a description of your appliance and its functions.

To avoid the risks that are always present when you use an electric appliance, it is important that the appliance is installed correctly and that you read the safety instructions carefully to avoid misuse and hazards. We recommend that you keep this instruction booklet for future reference and pass it on to any future owners.

After unpacking the appliance, please check it is not damaged. If in doubt, do not use the appliance but contact your local customer care centre



### TIPS & INFORMATION

If you find the System is damaged or marked, you must report it within 7 days if you wish to claim for damage/marks under the manufacturer's warranty. This does not affect your statutory rights.



### ENVIRONMENTAL CARE

- Most of the packing materials are recyclable. Please dispose of those materials through your local recycling depot or by placing them in appropriate collection containers.

- If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.



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Customer Care :

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## SAFETY INSTRUCTION

- This system has been designed according to IEC 60730 Safety Standard.
- Follow all safety and operating instruction to ensure safe, good and long life operation.



### WARNING

- The system must be plugged-in into a 220-240V, 50Hz AC electrical socket.
- To avoid stress on AC cords, keep required gap among DIMC, Motor and AC Socket .
- It is essential the power point is properly earthed to ground. Consult a qualified electrician if you are unsure.
- Don't use extension cords or adapter plugs with this system.
- If the power cord is damaged, it must be replaced by a qualified service technician
- Never unplug the system by pulling the electrical cord as this may damage it. Grip the plug firmly and pull straight out
- Stand your system in a dry place – avoid areas of high moisture or humidity
- Keep the system out of direct sunlight.
- Don't locate the DIMC System near stoves, fires or heaters.



## ABOUT DIMC

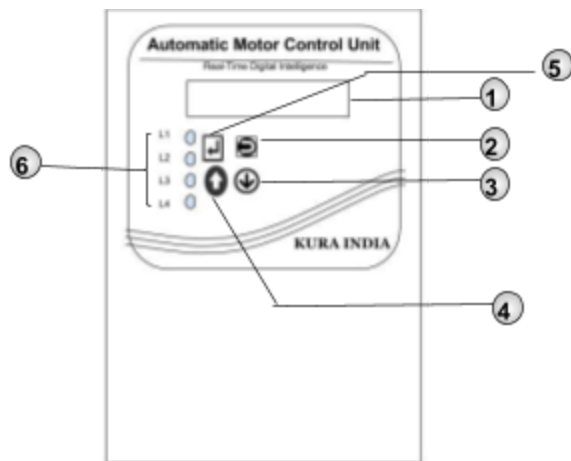
- **DIGITAL INTELLIGENCE MOTOR CONTROLLER (DIMC)** is an integrated system consisting of Underground water tank and Rooftop water tank control. DIMC consists of additional Clock/Timer.
- The Real time clock of this system offers a unique Autonomous feature of water tank level control where the supply water comes for a pre-defined period of time.
- This unit can be configured to work on any Domestic single Phase motor from ½ hp to 4hp. This unit also serves as a protective guard in case of Over Input voltage, Input Current, Dry Run.



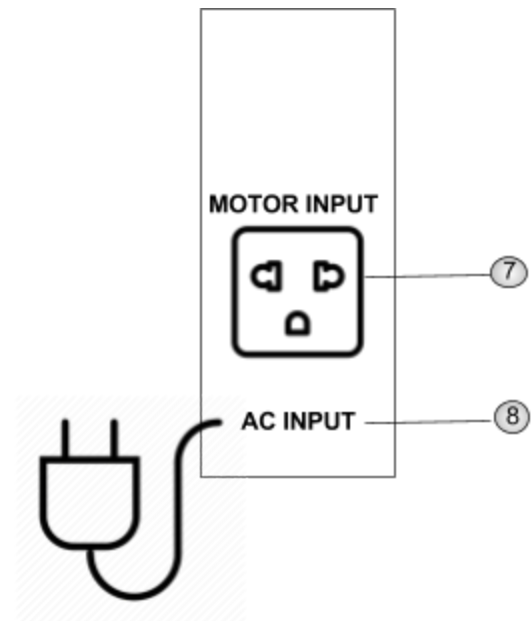
## FEATURE

- Real Time clock Based
- Automatic Water availability test
- Pre-defined Period for motor run
- Wide range of motor ½ HP to 4HP
- Emergency Alarms and alert
- Motor Dry Run and overcurrent protection
- Semi Automatic feature
- Emergency Bypass switch
- Applicable for all types of motor
- Self water test
- Out of Home (suspension) mode

**FRONT VIEW**



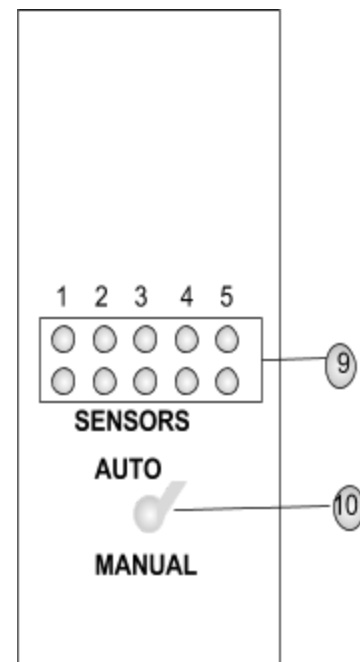
**LEFT SIDE VIEW**



**BOTTOM VIEW**



**RIGHT SIDE VIEW**



- 1 : LCD display
- 2 : Back Switch
- 3 : Down Switch
- 4 : Up switch
- 5 : Set or Ok Switch
- 6 : LED Indication
- 7 : 15A schoket for motor connection
- 8 : AC Input cord
- 9 : Water Level Sensors
- 10 : Auto or Bypass toggle Switch
- 11 : AC FUSE Protection



## SWITCH OPERATION

- **SET:** This Switch is used to SET and confirm the setting. This is used as a OK switch to confirm setting which we are doing.
- **BACK:** This switch is used to get back to the previous state from the present state in Setting/Configuration Menu.
- **UP:** This switch is used to increase the set value like increase the time and clock.
- **DOWN:** This switch is used to decrease the set value like decrease the time and clock.

### Long Press (5 Sec)

- **UP :** This switch is used for motor ON / OFF manually. This is semi automatic feature, if we start the motor by manual switch it automatically switch off the motor when tank is full or reached the max time run priode.
- **DOWN :** This switch is used for setting DRY run and Overcurrent protection.
- **UP + DOWN :** This is used for change the mode of operation. If we press both up and down switch simultentionally for 5 sec, change mode "timer" or " Auto ".



## MODE OF OPERATION

- **Timer :** In this Motor starts automatically at user setted time in the Config menu. For example if user sets the motor on time at 6:00 pm than motor will on automatically at 6:00 pm
- **Auto :** This mode allow us to manage the motor as per level of tank. When tank level goes below the 25% motor automatically Stats and when tank is full motor automatically Stopped. Similar like level controller

**Note :** In Any case if tank is full the motor will be stopped automatically, Whether in **Auto or Timer Mode**.

## CONFIGURATION WINDOW

<b>SET</b>	1st Auto On	00 : 00 : 00 AM
	2nd Auto On	00 : 00 : 00 AM
	3rd Auto On	00 : 00 : 00 AM
	4th Auto On	00 : 00 : 00 AM
	5th Auto On	00 : 00 : 00 AM
	Max Auto On time	10 - 200 min # 10Min
	Max Manual On time	10 - 200 min # 10Min
	Self Water Test	2 - 15 Time # 2 times
	Gap In Test	2 - 20 Min # 2 min
	Set Protection	Low / Medium / High # Low
	System Suspended	0 - 60 days # 00 days
	Set Time	00 : 00 : 00 AM
	Set Date	01 /01 / 2000 , Moday

**Setting Process :** SET switch is way to enter in configuration window, Press SET switch again for Okey and you can adjust time or date or Duration etc with the help of UP and Down Switch.

**Note:** The Value after # is the Predefined value when system manufactured, You can change this value as per your suitability.



## LED INDICATION

- **L1 : Motor ON** : This Led Glow when Motor is Running By DIMC.
- **L2 : Tank Full** : This Led glow when Tank is full or overflow
- **L3 : Suspended** : When System is Suspended.
- **L4 : Dry Run** : When Input water is not available.



## DISPLAY FEATURES AND INDICATIONS:

### TIMER WINDOW:

10:10:10am Auto  
01/01/18 Tuesday

### MOTOR DRY RUN MESSAGE:

10:10:10am Auto  
DRY RUNNING

### SYSTEM SUSPENDED MESSAGE:

>Suspend System  
07 Days

### SELF WATER TEST :

>Self water test  
02 Times

## AUTO MODE

10:10:10am Auto  
01/01/18 Tuesday

## TIMER MODE

10:10:10am Timer  
01/01/18 Tuesday

## WATER LEVEL MONITORING

10:10:10am 00%  
01/01/18 Tuesday



## INITIAL STARTUP INSTRUCTION

- Check all the accessories before installation. (IN THE BOX)
  - System
  - Water Sensors
  - Manual
  - Warranty Card
- Read Operator's Manual properly
- Power cord plug into socket (15A)
- Wait for ( about 10 min ) Initialize the program and backup initialisation.
- When welcome message come on LCD then system is ready to use.
- Consult a qualified electrician or service center or seller immediately if you are unsure.
- Select Mode of working
- Ready to use



## INSTALLATION INSTRUCTION



## TECHNICAL SPECIFICATION

### FROM LEFT SIDE VIEW DESCRIPTION

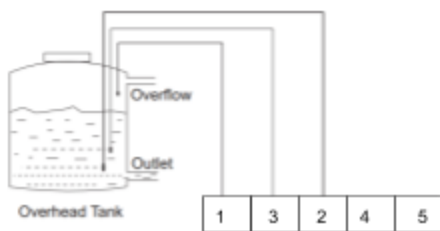
- 7 Motor power cord is directly connect to system socket. Power cable connect to system after completing the configuration setting or mode of selection done.
- 8 This is 6A 600V AC power cord is connect to power socket in house to start the system.

Supply Voltage :	230V AC, 50Hz.
Internal Voltage :	12V DC
Compatible with :	Single phase motor
Output :	230V AC, 50Hz.
Contact rating :	30A Ac
Power Consumption :	1.2 Watt

### RIGHT SIDE VIEW DESCRIPTION

- |   |   |                                  |      |
|---|---|----------------------------------|------|
| 9 | 1 | Water level sensor “ Tank Full “ | Full |
|   | 2 | Common                           |      |
|   | 3 | Water level sensor               | Half |
|   | 4 | Water level sensor               | Low  |
|   | 5 | Open “ No connection “           |      |
- 10 Toggle switch for Bypass or Auto mode selection

Monthly Consumption :	1 Unit
Temperature :	-20 to +70 degree Celsius
Dimension :	190mm x 210mm 75mm
Weight :	900 gm.
Manual switch Contact rating :	15A
Protection :	High Voltage, Low Voltage, High current ,Low Current
	Water overflow, Dry Run, Groundwater
Self Consumption	100 mA







## TROUBLESHOOTING

PROBLEM :	SOLUTION :
Blank screen	Wait for initialization (10 min ), Internal battery wake-UP waiting time.
Unknown Character on LCD	Press long Back switch for initialisation of LCD
Water Not Available	Set more attempt of self water test
Dry Run Led always Glow	It automatically clear when next action perform by system.
Time Variation	Contact customer care
Dry Run when water available	Long Press of Down Switch
Water level automation	Press UP+Down Switch simultaneously
Motor Blow	Set Protection High
Max Auto Run Alarm	Check Sensor connection it may be damage
System not On	Check Fuse at bottom side of system ( 12A 240VAC)
Forcely on When tank is full	Use BYPASS toggle Switch, Need to Forcely OFF
Real Time not working	Please Check the Mode of Operation
Motor Always On	Check Auto time setting
Auto Mode Not working	Change the toggle switch position to center and call to service center



## WARRANTY TERMS

### GENERAL TERMS

- Please keep it with your proof of purchase documents in a safe place for future reference should you require service for your KURA PRODUCTS.
- During the Warranty Period KURA INDIA or its Authorised Service Centre will, at no extra charge if your appliance is readily accessible without special equipment, and subject to these terms and conditions, repair or replace any parts which it considers to be defective. You agree that any replaced Appliances or parts become the property of KURA INDIA.
- Parts and Appliances not supplied by KURA INDIA are not covered by this warranty
- Proof of purchase is required before you can make a claim under this warranty.
- You may not make a claim under this warranty unless the defect claimed is due to faulty or defective parts or workmanship.
- KURA INDIA is not liable in the following situations (which are not exhaustive):
  - (a) The Appliance is damaged by:
    - (i) accident
    - (ii) misuse or abuse, including failure to properly maintain or service
    - (iii) normal wear and tear
    - (iv) power surges, electrical storm damage or incorrect power supply
    - (v) incomplete or improper installation
    - (vi) incorrect, improper or inappropriate operation
  - (b) The Appliance is modified without authority from KURA INDIA in writing.
  - (c) The KURA INDIA'S serial number or warranty seal has been removed or defaced.
  - (d) The Appliance was serviced or repaired by anyone other than KURA INDIA or its Authorised Service Centres

## NEVER DO THIS

- Never let children play with the system.
- Never try to repair the system yourself.
- Never place electric heaters or high humidity near to system because you can receive an electric shock.
- Never use other electrical appliances without any guidance.
- This appliance contains insulation formed with flammable blowing gases.
- For safety reasons, take care when you dispose of it. Do not damage the appliance circuit.



## ALWAYS DO THIS

- Check the power point is properly earthed – if you are not sure get an electrician to check it.
- Switch off and unplug the system at the powerpoint before you move it.
- If the power supply cord is damaged, have it replaced by the manufacturer, service agent or similarly qualified person.



## CUSTOMER CARE

### Technical Enquiry



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