

Compact, low cost controllers with in-built logic for a variety of operations like RO, wastewater & UF applications can be integrated with panels of any capacity plant. These controllers make any plant operation completely automatic. Each controller comes ready with RS 485 communication port which can be used for BMS/ SCADA/ REMOTE MONITORING SYSTEM.

RO-MATIC



KEY ATTRIBUTES

- Complete **RO OPERATING LOGIC** in-built
- 2 Line **ALPHANUMERIC DISPLAY** with keypad for programming & display
- **MIMIC DIAGRAM** with 8 LED annunciator
- **IN-BUILT CONDUCTIVITY/ TDS METER**
- **6 SWITCH INPUTS:**
 1. RWT level
 2. Low Pressure Switch
 3. High Pressure Switch
 4. TWT level
 5. Dosing Tank low level
 6. TWT low level switch
- **8 POTENTIAL FREE OUTPUTS:**
 1. RW Pump
 2. HP Pump
 3. Flush Valve
 4. Dump Valve
 5. Dosing Pump
 6. Alarm
 7. Transfer Pump
 8. Cleaning/Flushing Pump
- **RS 485 OUTPUT** for remote data transfer
- **ACCESSORY AS REQUIRED:**
 - 2 Flow sensors
 - Smart transmitter (pH/ ORP)
 - Pressure/ temperature transmitter

REMOTE MONITORING

Ensures support, track & remediate site problems in a timely & efficient manner. This service will deliver operational values through email or SMS. The user friendly web portal gives customers easy access to up to date operational data, plant status & dynamically changing reports



GSM/ GPRS



Database Server



Application Server



Email Alerts



SMS Alerts



Alarm



Excel Format



PDF Format



Tabular Format



Trends Format

STP/ETP-MATIC



KEY ATTRIBUTES

- **REAR TERMINAL STRIP** for ease of wiring
- **USER SETABLE** All timings are setable at site
- User setable frequency for **SLUDGE DRAINING**
- **16X2 ALPHANUMERIC DISPLAY TO SHOW** pump/blower status & timing
- **AUTOMATIC SWITCH OVER** to stand-by pump/blower
- **REMEMBERS TIME ELAPSED & STARTS FROM THE POINT WHERE POWER FAILURE HAPPENED**
- **SEPARATE RELAY** for control which can be locked after specific operation hours
- **4 SWITCH INPUTS**
 - Effluent tank level
 - MBR Tank level
 - Blower input
 - Remote Fault

• TWO FLOW INPUTS

• TWO CURRENT INPUTS (can be used for pH/ORP/DO)

• MIMIC DIAGRAM with 8 bright LEDs for better understanding

• RS 485 OUTPUT

TECHNICAL SPECIFICATIONS

Size	144mm x 144mm x 135mm
Cut out	140mm x 140mm
Supply	230 V A.C. ±15%
Cable Termination	Rear Terminals
Enclosure	Heavy Duty extruded Aluminum box with ABS front plate
Display	16X2 alphanumeric backlit

UF-MATIC



KEY ATTRIBUTES

- **REAR TERMINAL STRIP** for ease of wiring
- **UNIVERSAL** Suitable for any logic & for all types of UF membranes
- **USER SETABLE** Upto 10 valves & 2 pumps programmable at site
All timings are setable at site
 - Can program up to 30 steps
 - User setable frequency for **CEB & BACKWASH CYCLES**
- Setable pump ON & pump OFF delay **AVOIDS WATER HAMMERING**
- **6 SWITCH INPUTS**
 - RWT level
 - TWT level
 - Dosing Tank Level
 - TW low level
 - Pressure input
 - Remote Fault
- **ONE FLOW INPUT** (with in-built totaliser)
- **16X2 ALPHANUMERIC DISPLAY** to show step number, step name & timing
- **SEPARATE LED** for every input & output
- Can be used even for **MB AUTOMATION/ FILTER/ SOFTENER AUTOMATION**