

## AUTOMATION PANEL WORKS

Energy Saving & Manpower Minimization

### Fire Alarm System



- **Prevent Accidents:** Early fire detection and Alarm activation.
- **Protect Products:** Minimizes damage and Financial losses.
- **Security Alert:** Instant notification for prompt response.

### Chemical Automation Work



- **Consistent Quality:** Precise control over chemical flow and mixing.
- **Increased Productivity:** Automated processes reduce manual errors.
- **Reduces Waste:** Accurate dosing and minimize chemical waste.
- **Enhanced Safety:** Automated processes reduce exposure to hazardous chemicals.

### Plant Heat Exchanger System



- **Efficient Steam Generation:** Optimized heat exchanger control for maximum efficiency.
- **Consistent Temperature:** Precise temperature control for operations.
- **Save Energy:** Automated control and monitoring minimize energy water.
- **Ensures Safety:** Real-time monitoring and automated control reduce accident risk.

### Monofilament Extruder System



- **Increased Efficiency:** Automated operation optimized production process.
- **Improved Products Quality:** Consistent speed control ensure high-quality output.
- **Enhanced Reliability:** Robust PLC control minimizes human error.
- **Cost Savings:** Reduced manpower and energy consumption lower operational costs.

### Humidification Plant Automation



- Customized drive Installation.
- **Remote Monitoring:** Track RH & Temp from long distance via 7-segment LED display.
- **Data logger option:** Records data for future analysis.
- Energy Saving & Manpower reduce.

### Pressure & Temperature Monitoring System



- Real-time pressure and temperature monitoring.
- IoT integration.
- User-friendly HMI interface.
- Automated mobile alerts for abnormalities.
- Advanced data analytics.
- Secure, encrypted connectivity.



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## SARAVANA ELECTRONICS & AUTOMATION

THE FUTURE OF INDUSTRIAL AUTOMATION



ISO 9001: 2015 CERTIFIED COMPANY

Mitsubishi Authorized Sales and Service Partner

15+ Years of Expertise, 2400+ Satisfied Customer

Reliable Source for Genuine Spare Parts

Automation Panel and R&D Works

Top Quality Engineering Services

MSME Certified Company

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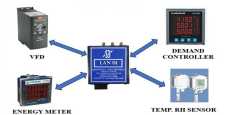
## Research & Development Works

### IOT



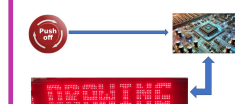
- Customized dashboard creation.
- Supports both Modbus TCP and serial.
- Supports Wi-Fi, LAN, 4G SIM.
- HDMI port for industrial monitor display.
- Data can be accessed from any location.

### DATA LOGGER



- Inbuilt storage up to 4GB.
- Supports Modbus TCP and Modbus serial protocols.
- Connects up to 20 devices.
- Data download via pen drive and ethernet.
- Wireless connection up to 1 km.
- Internet not required to store data.

### Smart Alert System (Fire Alarm / Machine Maintenance)



- Microcontroller and PLC options available.
- Messages and Calls Alert to mobile.
- LED display shows Alert messages.
- Buzzer System facility available.
- Mode: Wired and wireless.
- Logs maintenance time in datalogger.

### VFD Converter



- Exclusive Modbus RTU support.
- Replace the new VFD for existing vfd without disturbing the machine functions.
- Converts all brand VFD.

### Universal Compressor Controller



- Low Cost.
- User-Friendly and easily availability.
- Alarm and Trip alerts.
- Auto Start/Stop.
- Compatible with all brand compressor.
- Support all brands VFD.

### Jumbo Display



- Input: 0-10V, 4-20mA, RS485.
- Output: Relay (2 Nos).
- Available in 4, 6, 8-digit displays.
- Easily configure relay value.
- Sizes: 2, 4, 6, 8 inches.
- Supports wireless up to 1 km.

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