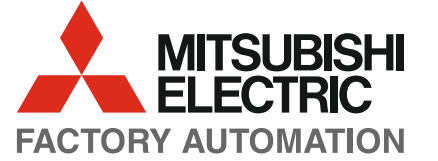




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GOC

Graphic Operation Controller



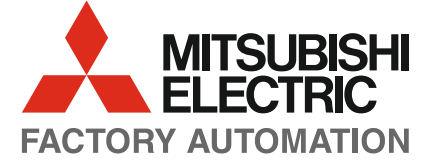
MAKE IN INDIA
MADE FOR THE WORLD

ALL-IN-ONE CONTROLLER

IIoT DRIVEN
TRANSFORMATION



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AIR COMPRESSOR



APPLICATION DETAILS

- Control of Screw & Reciprocating Air Compressor.

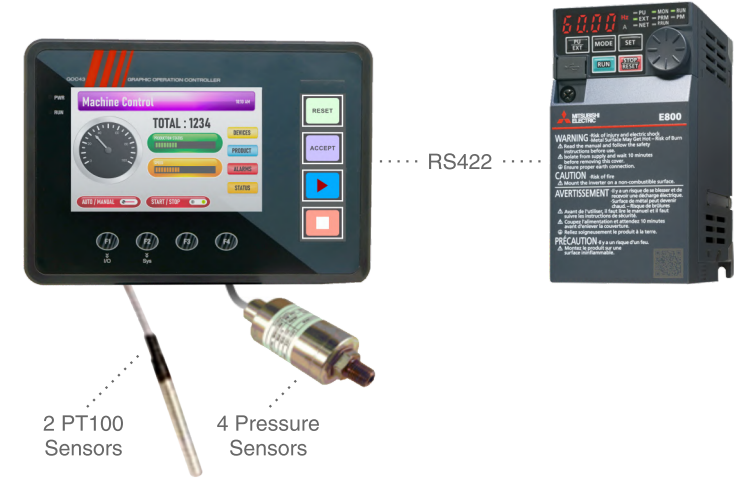


BRIEF DESCRIPTION

- Start/stop, load/unload sequence of operation.
- Monitor Disc Pressure (Stage1, Stage2, Stage3), Lub Oil pressure, Air Temperature and Lub Oil Temperature.
- Provides settings at 3 levels; User, admin & maintenance.
- Show status and alarms with history.
- Data logging of status and alarms in SD card.

APPLICATION SECTOR - UTILITY

- GOC is widely recommended in numerous other utility applications like Air Compressor, Air Dryer, Dehumidifier, Nitrogen Gas Plant, etc.



2 PT100 Sensors

4 Pressure Sensors

★ STANDOUT FEATURES ★

Cost Effective Pressure and Temperature Sensor Interface

Cloud Connectivity

Modbus RTU Master Function

PID Function



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APPLICATION DETAILS

- Produce polypropylene woven circular fabric for making sacks.
- Sacks are used for packaging of sugar, cement, chemicals, fertilisers, etc.

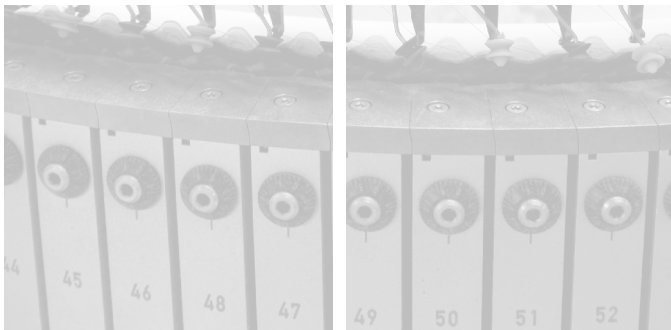
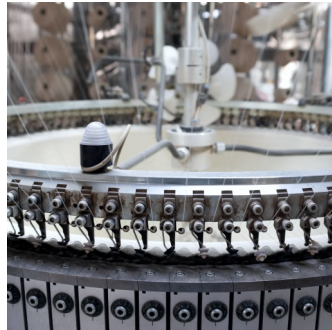


BRIEF DESCRIPTION

- Seamless integration of multiple VFDs as per application demand.
- Speed synchronisation between main motor and take up motor. Speed ratio determined by number of horizontal threads per meter.
- Winders configured in Tension Control Mode.
- Tension Control for maxi rolls through load cell feedback and PID function.

APPLICATION SECTOR - PLASTIC

CIRCULAR WEAVING LOOM



Customized Mylar



Machine Output

Load Cell Feedback for Tension Control of Maxi Rolls

RS485 Modbus



Speed Reference from Analog Output

Speed Reference from Serial Communication

★ STANDOUT FEATURES ★

Option for OEM customization

Built in HSC function for speed and length measurement

PID function for Tension Control for maxi roll



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APPLICATION DETAILS

- Cotton sliver is converted to rowing.
- Spinning mill application.



BRIEF DESCRIPTION

- Measurement of machine speed and yarn length.
- Provision to set and generate speed profiles for different rowing patterns and ensure smooth speed variation.
- Recipe function for speed profiling and selection.

APPLICATION SECTOR - TEXTILE

- Used for other applications in textile industries like Draw Frame, Ring Frame, Carding, Simplex.



... RS422 Modbus ...



Rowing

DRAW FRAME



★ STANDOUT FEATURES ★

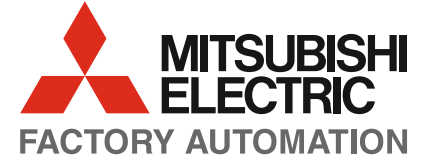
Built-in display for selection and viewing

Built-in HSC input, 20 KHz

Recipe handling function



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eTOILETS



APPLICATION DETAILS

- To reduce installation time and space for toilet.
- To address issues like cleanliness, hygiene and safety.
- To save electricity, water and ensure eco friendly disposal.

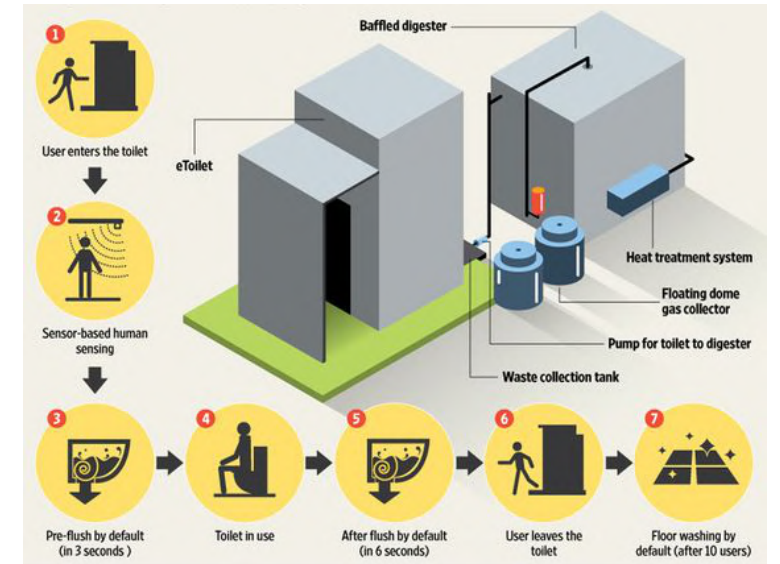


BRIEF DESCRIPTION

- User is allowed after inserting 5 INR coin.
- PLC ensures Interlocks with water level sensor, flow meter and motion sensor.
- Data logging of alarms and required parameters.
- In railways, synchronization with smart coach controller allowing easy monitoring.

APPLICATION SECTOR - OTHER

HOW eTOILETS WORK



★ STANDOUT FEATURES ★

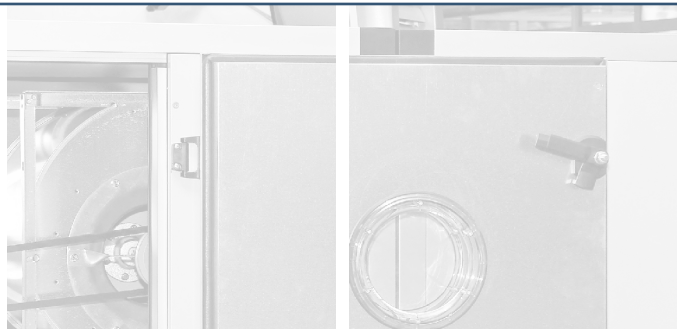
Data Logging Feature

Multi-language Support

GSM/GPRS FB Library



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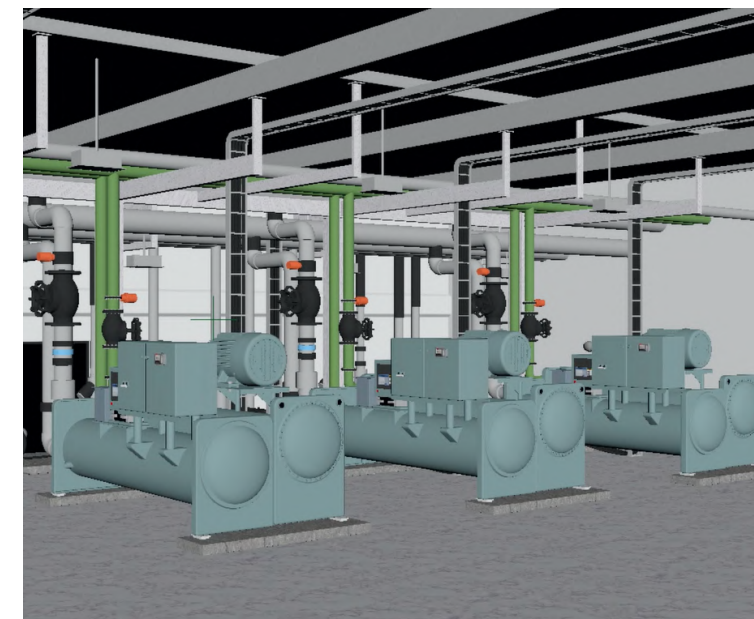
AHU CUM DEHUMIDIFIER



APPLICATION DETAILS

- The purpose of the application is to maintain RH to an optimum level in a specific room by dehumidifying the inlet air.
- GOC is used to maintain the temperature internally, which in turn maintains RH.
- Control valves like steam and chilled water are used to control temperature.
- Communication through BMS is established through RS422.

APPLICATION SECTOR - PHARMA



★ STANDOUT FEATURES ★

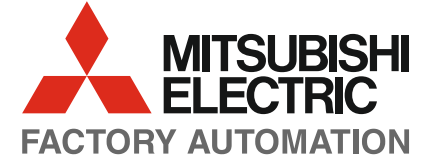
Built-in display for easy monitoring and controlling

Customizable annunciator panel

PID function used for controlling valves



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THANK YOU!



Mitsubishi Electric India Pvt. Ltd.
Factory Automation and Industrial Division

ICC-Devi Gaurav Technology Park, Unit no. 402, Fourth Floor,
Opp. Vallabh Nagar Bus Depot, Pune – 411018, Maharashtra, India.
Board Line No. : +91 020 4624 2100

For downloading GOC programming software and related information, scan the QR code for more details.

