

Wash Master

Washer Extractor Programmable Logic Controller

This advanced ARM Processor based Industrial Washing Machine Controller incorporates superior user interface, reliable functionality and numerous safety features. This can also be networked with a PC to offer data analysis.

Inverter connectivity enables variable speed washing and extraction. Upto 24 Wash programs allows unparalleled customized washes. Naming your own program name makes it easier for users.



MicroLOGIX



Key Features

- ✦ Advanced 32-Bit ARM Processor Technology
- ✦ 30 Customized Wash Cycles Offer Flexibility to Meet the Needs of Any Laundry
- ✦ Temperature Controlled Wash
- ✦ Programmable Water Levels Allow You to Modify the Water Used With In a Cycle
- ✦ Connects With an Inverter for Regular Mode and Extraction Mode
- ✦ 5 Compartment Soap / Detergent Control
- ✦ Dual Heaters - Steam or Electrical
- ✦ Door Lock Safety Switch
- ✦ Optional USB / RS485 Port Allows PC Connectivity
- ✦ Large LCD Display and Well Laid Keypad Provides Superior User Interface
- ✦ Alphanumeric Keypad to Enter Program Names
- ✦ Vibration Sensing Logic to Protect the Machine
- ✦ User Friendly Error / Status Messages On The Screen
- ✦ More Than 50 Customized Parameters to Control the Washing Process

Specification

Power Supply

- ✦ 10 - 18 VAC From Transformer

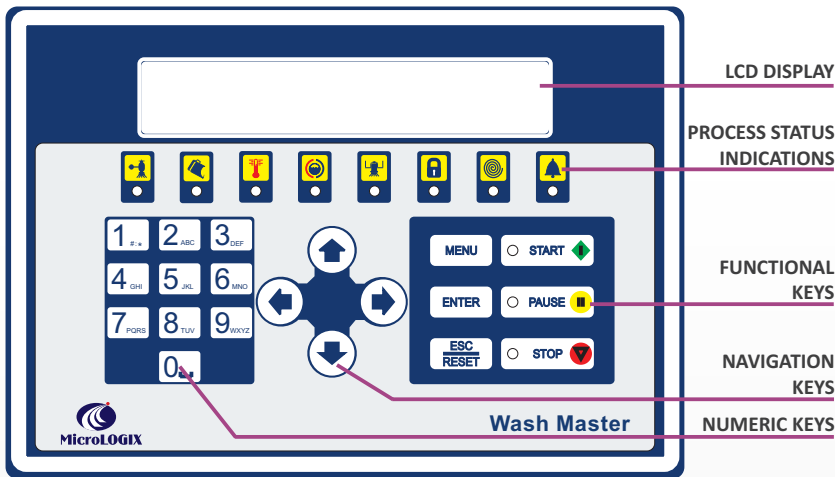
Inputs

- ✦ 2 Inputs
 - ◆ Analog Inputs
 - Temperature Sensing
 - Water Level Sensing
 - ◆ Digital Inputs
 - Vibration Switch
 - Door Open Sensing
 - Swing
 - Speed
 - Bottom Level

Outputs

- ✦ Analog Outputs
 - 0-10V for Inverter Controller
 - Water level sensing inputs
- ✦ 16 Relay Outputs
 - 2 Door Relay Output - Door1 + Door2
 - 5 Detergent Output - A, B, C, D, E
 - 2 Heater Output - Steam + Coil
 - 2 Drain Output - Internal + External
 - 2 Water Output - Hot + Cold
 - Extraction Output
 - Program Finish
 - Hooter Alarm

Front Panel



LCD DISPLAY

PROCESS STATUS INDICATIONS

FUNCTIONAL KEYS

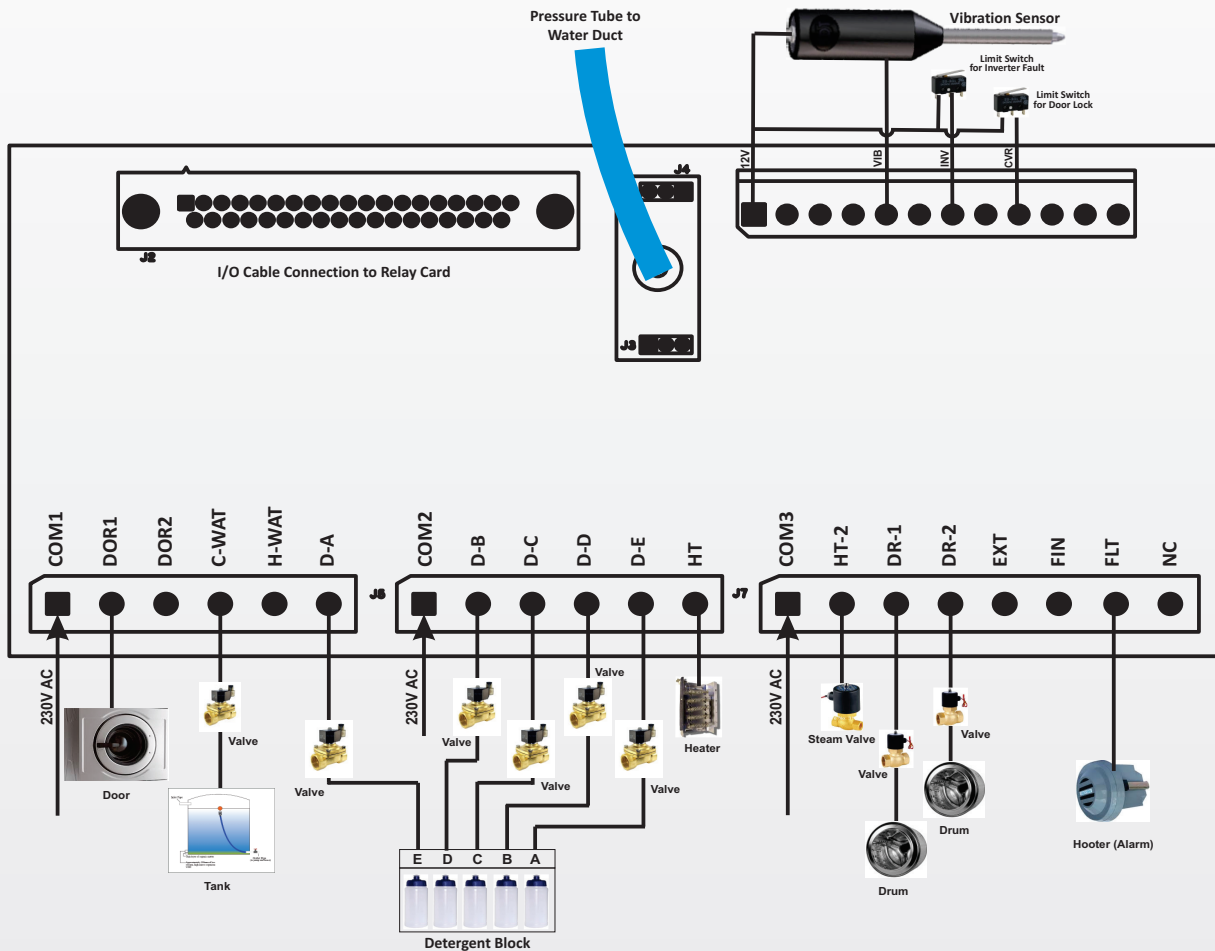
NAVIGATION KEYS

NUMERIC KEYS

Mechanical

Dimension	263mm(W)x183mm(H)x46mm(D)
Weight	2000 gm
Construction	IP65 grade Water-proof ABS Enclosure
Cable Entry	3 PG9 Glands for Solar Panel, Battery and Actuator
Operating temp	-5 to 55°C
Relative Humidity	85% Rh with No Condensation

Wiring Diagram



LED Indication

- Start, Pause, Stop, Water Filling, Taking Detergent, Temperature Control, Washing Process, Draining Process, Cover Lock, Extraction Process, Fault Alarm

User Interface

- Up, Down, Right, Left, Enter, Menu, Esc/Reset
- Alphanumeric Keys
- Keys to Control the Washing Process
- LCD Display with 40x2 character
- 4 Navigation keys for Easy-to-use interface (Left, Right, Up & Down)