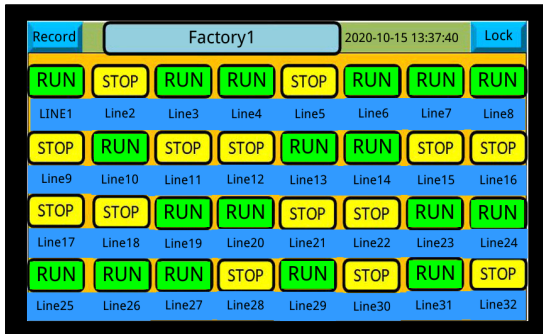


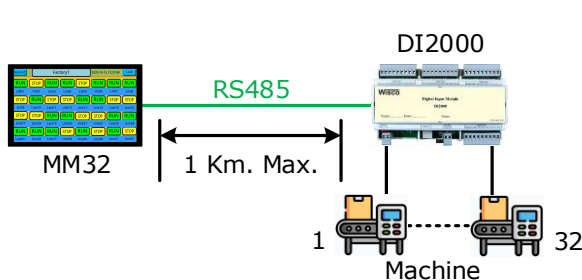
Machine Monitor and Record

MM32

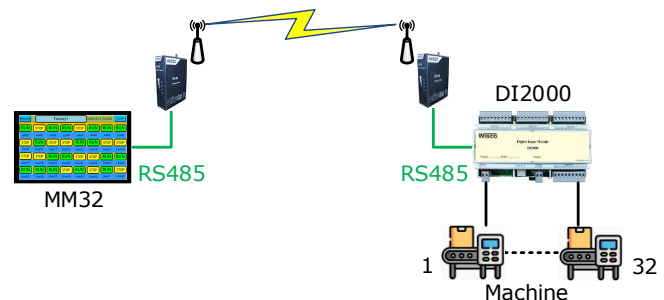


- Monitor 32 Machine
- 7" Touch Screen Panel
- Record ON-OFF Time in SD Card
- 2-Wire RS485 Wiring

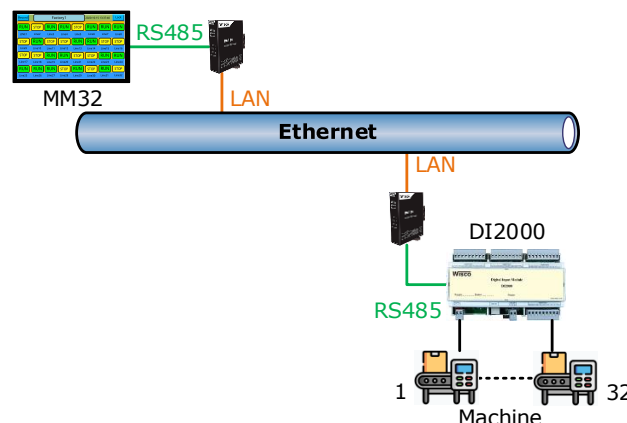
Machine Monitor and Record MM32 The system can display the operating status of up to 32 machines and log "RUN" and "STOP" times for historical review. This data can be saved to an SD card as a CSV file, which is compatible with Windows applications such as Excel.



Connection via RS485.



Connection via Wireless (RC45).



Connection via Ethernet (MC320).

Specifications

Display: 7" Touch Screen

Number of Machine: 32 Max.

Serial Interface

Serial Standards: RS485 2 Pin Terminal Block

Distance: RS485 Length 1 Km.

Protocol: MODBUS RTU

Serial Parameter

Baud Rate: 9600

Data Bits: 8

Stop Bit: 1

Parity: None

Input

Number of Channel: 32 Channels

Sensor Type: Wet Contact

wet Contact:

ON : 12 to 24 VDC (220 VAC Optional)

OFF : 0 to 3 VDC

Isolation: Opto Isolated

Alarm Name: 28 Characters Max.

Action: 32 Characters Max.

Power Requirements

Power Supply: 85 to 230 VAC
(12 to 35, 110 to 125 VDC Optional)

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W220 x H140 x D60 mm.

Panel Cutout: W202 x H122 mm.

Mounting: Panel Mount

Warranty

Warranty Period: 1 Year

Ordering Information Specify Input Voltage, Power Supply

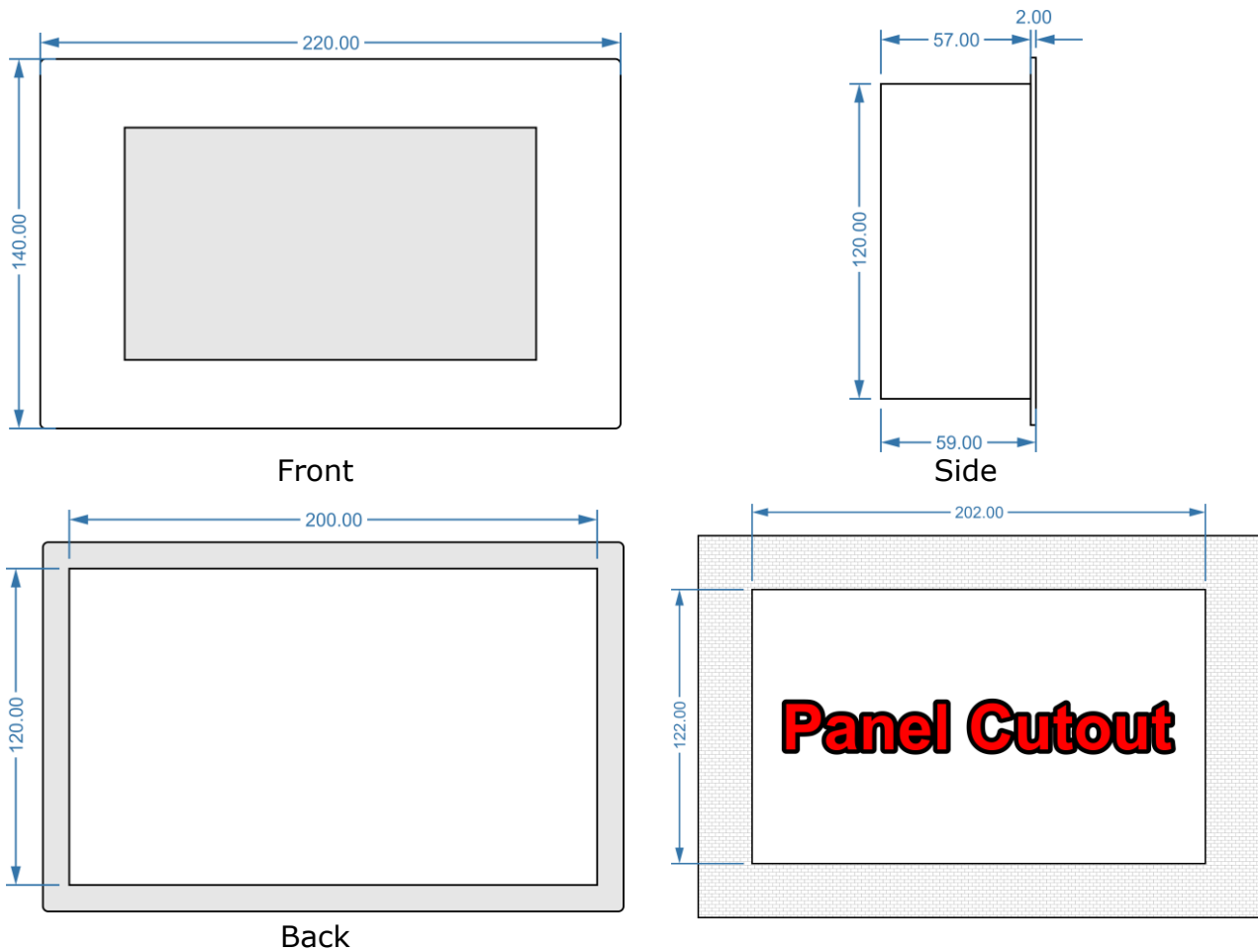
Example MM32/24VDC/220VAC

Package Checklist

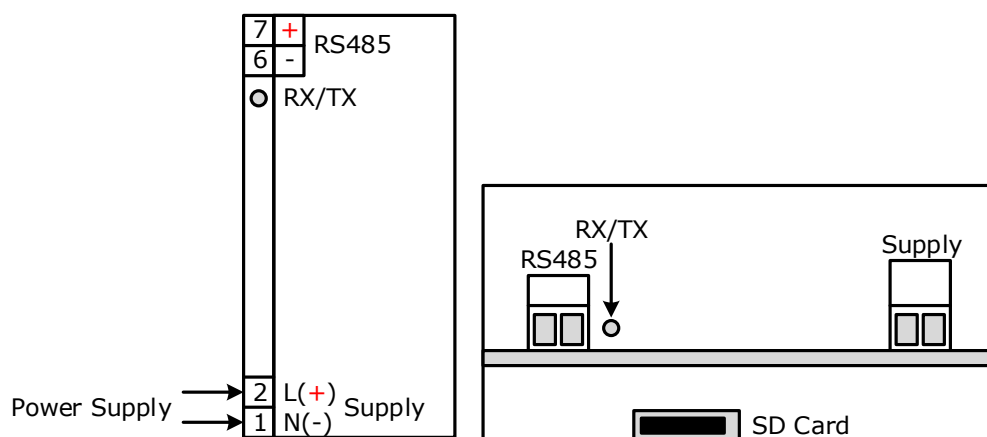
1. MM32
2. DI2000

I. MM32 Connection Method

Dimensions (Unit: mm.)

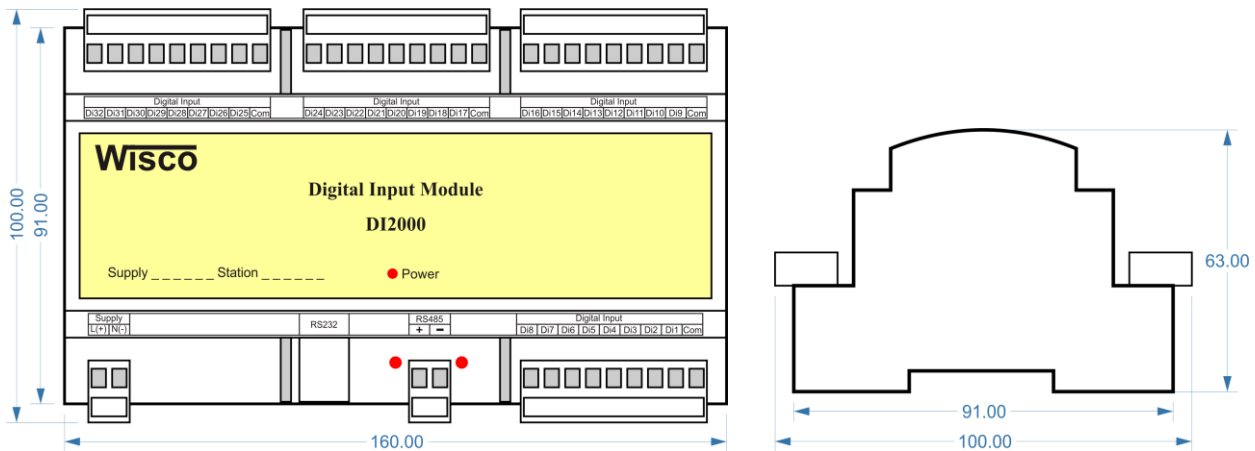


Wiring

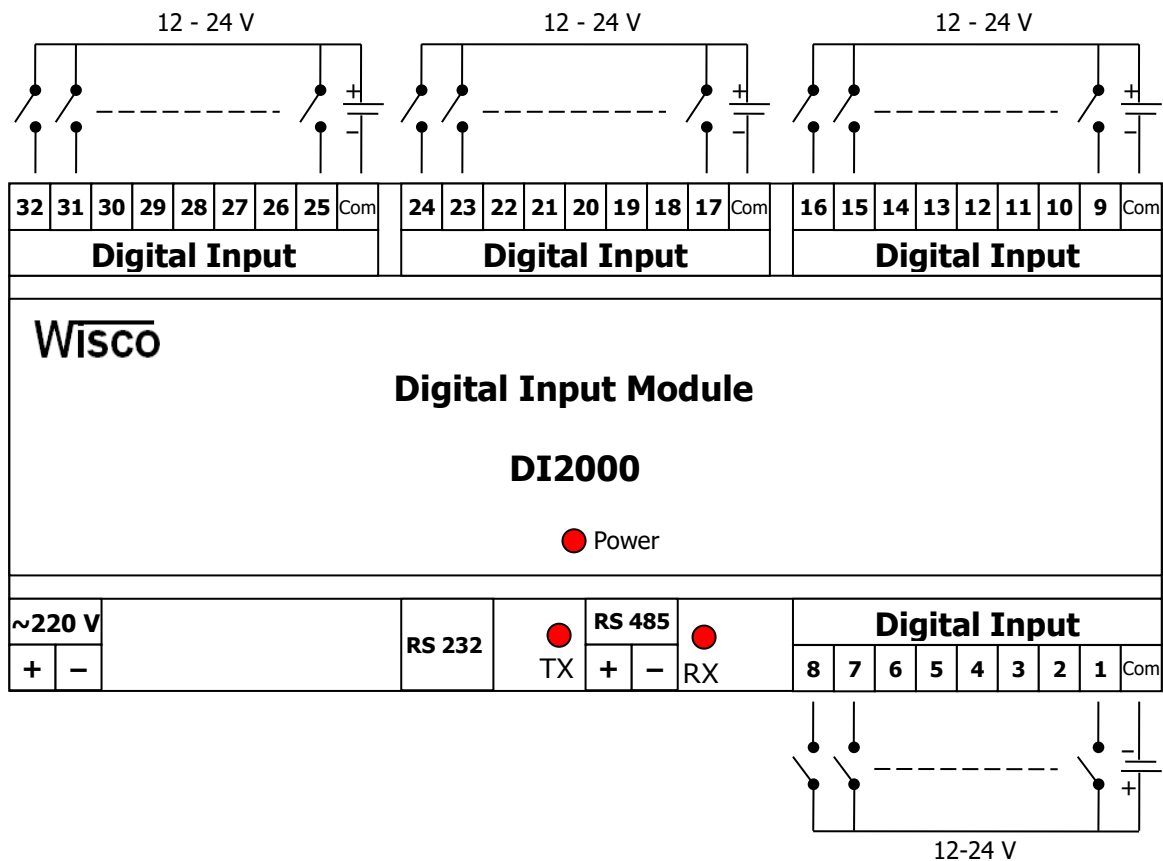


II. DI2000 Connection Method

Dimensions (Unit: mm.)



Wiring



Note:

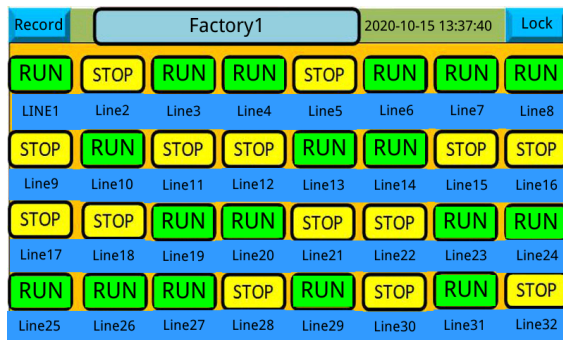
Digital Input 1 = M1
Digital Input 2 = M2

Digital Input 32 = M32

DIP Switch:

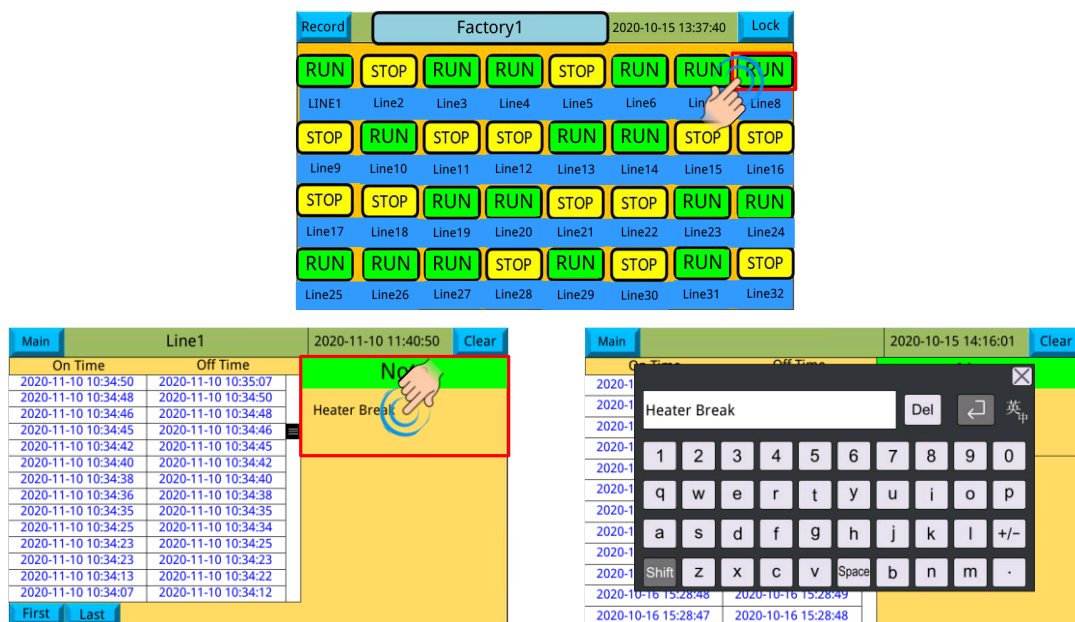
1	2	3	4	5	6	7	8
ON	OFF	OFF	OFF	OFF	ON	OFF	OFF

Operation of the Alarm Indicator MM32

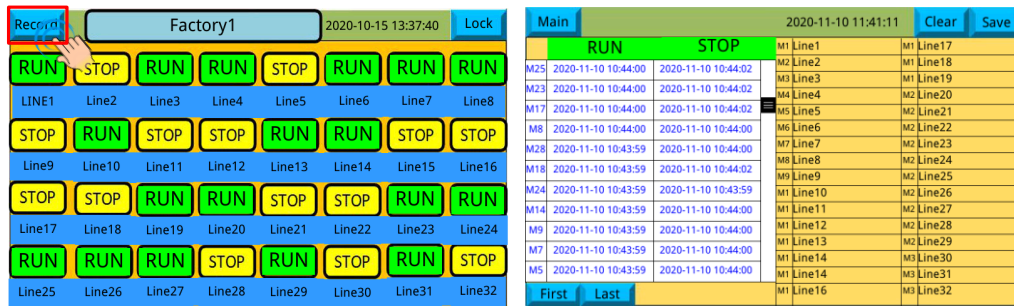


Before using the MM32, you must correctly connect the RS485 interface to the DI2000 module. If the connection is correct, the RX and TX indicators on the DI2000 will flash. Details regarding the MM32 configuration are as follows:

❖ MM32 Display Output

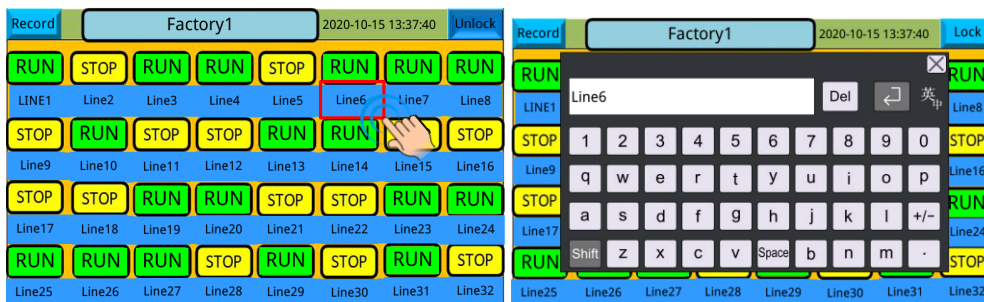


The main screen displays the machine's operating status as either "STOP" or "RUN." Tapping the status indicator lamp switches the display to a screen showing the operating time for each machine. Pressing the "First" button displays the initial record, while the "Last" button shows the most recent one. This screen includes a field for entering alert messages; tapping the area beneath the "Note" label opens an on-screen keyboard for text input.

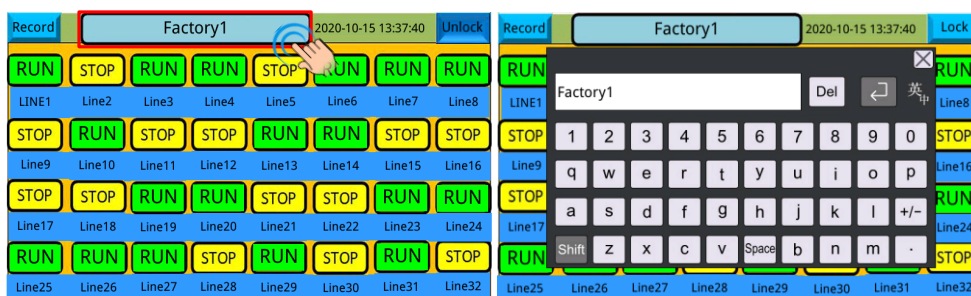


From the main screen, pressing the "Record" button navigates to the screen displaying the total operating time for all machines; the data on this screen can be saved to an SD card by pressing the "Save" button. Pressing the "First" button displays the initial record, while pressing the "Last" button displays the most recent record.

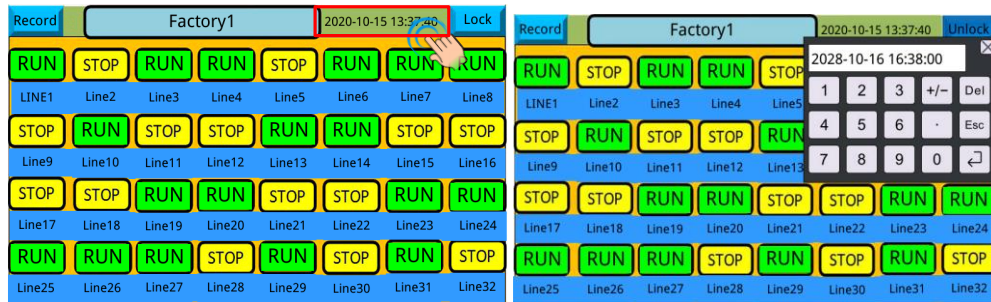
❖ Naming machines, pages, and clocks



From the main screen, toggle the "Lock" button to "Unlock." Tap the status indicator lamp of the machine you wish to name; a keyboard will appear, allowing you to enter the text.



Tap the field at the top of the screen, and a keyboard will appear for you to enter text.



Tap the clock to bring up the keyboard for setting the time. Once the settings are complete, you must press the "Unlock" button to switch it back to "Lock."