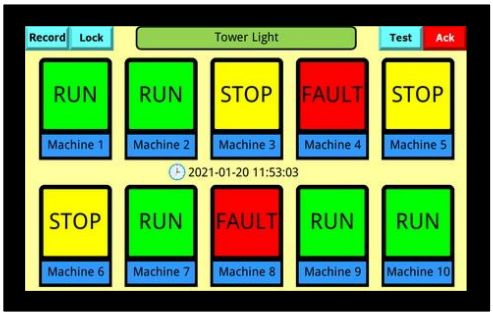
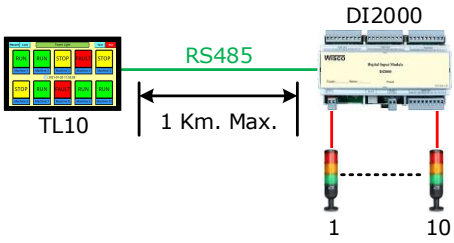
Tower Light Indicator

TL10

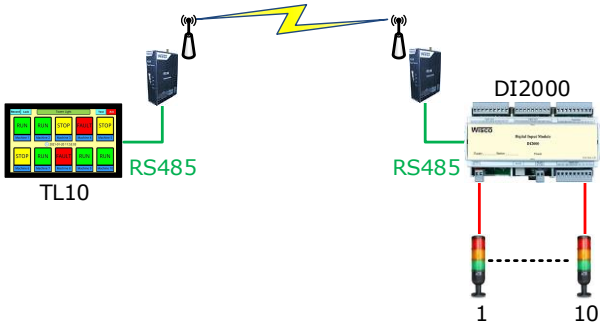


- 7” Touch Screen Panel
- 10 Tower Light Display
- With Alarm Function
- Record Data in SD Card

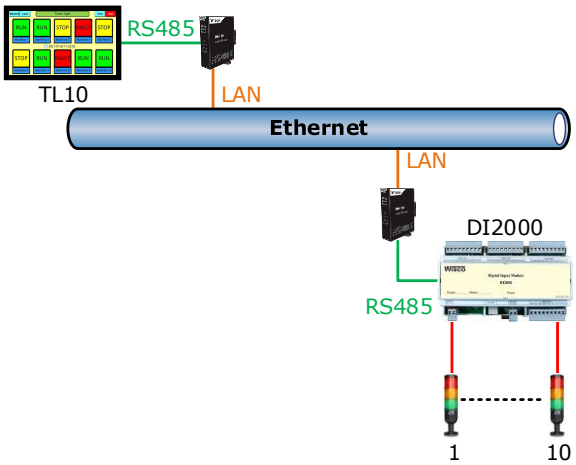
Tower Light Indicator TL10 The system can aggregate signals from up to 10 tower lights and display the status on a touchscreen. An audible alarm sounds whenever a fault signal occurs. Additionally, tower light data is logged for historical review and can be saved to an SD card as a CSV file, which is compatible with computer software such as Excel.



Connection via RS485.



Connection via Wireless (RC45).



Connection via Ethernet (MC320).

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Specifications

Display

Size: 7” Touch Screen
Resolution: 800 x 480 px
Color: 65 K Color, 16 Bit RGB

Input

Input: 10 Tower Light Max.
Sensor Type: Wet Contact
ON : 12 to 24 VDC (220 VAC Optional)
OFF : 0 to 3 VDC
Isolation: Opto Isolated
Tower Light Name: 32 Characters Max.
Action: 64 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 Alarm Input Voltage, Power Supply
Example TL10/12-24VDC/85-230VAC

Package Checklist

1. TL10 2. DI2000

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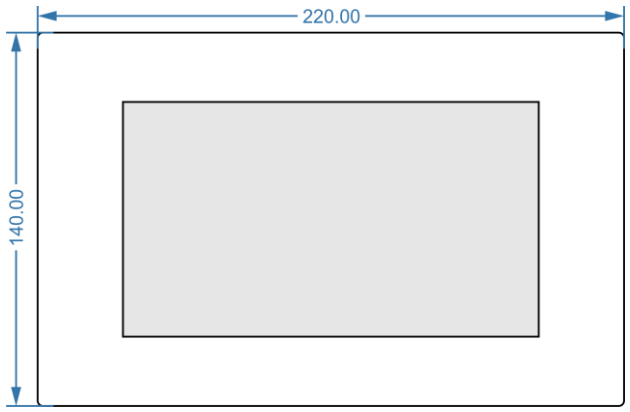
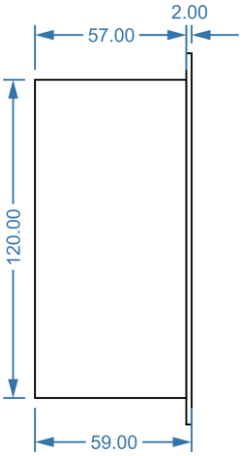
I. TL10 Connection Method

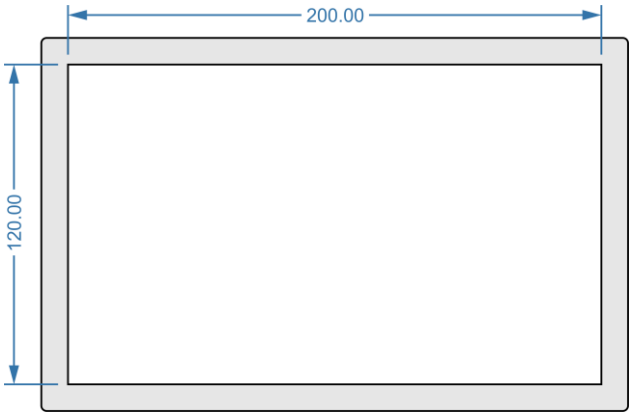
Dimensions (Unit: mm.)



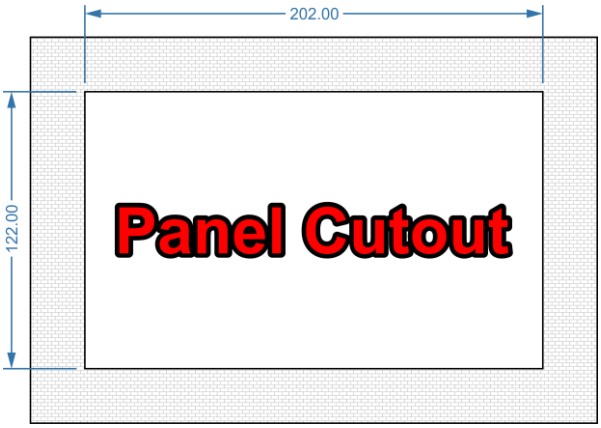
Front



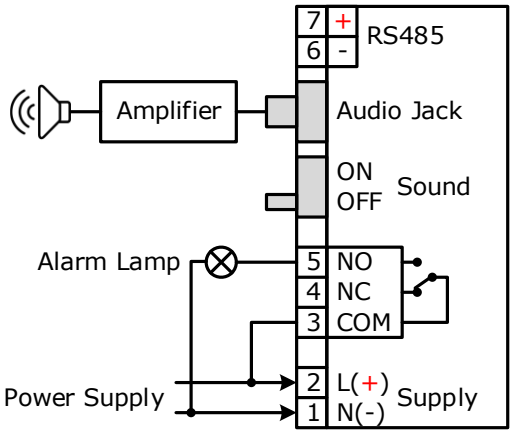
Side

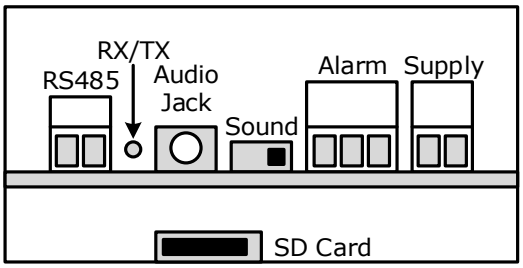


Back



Wiring





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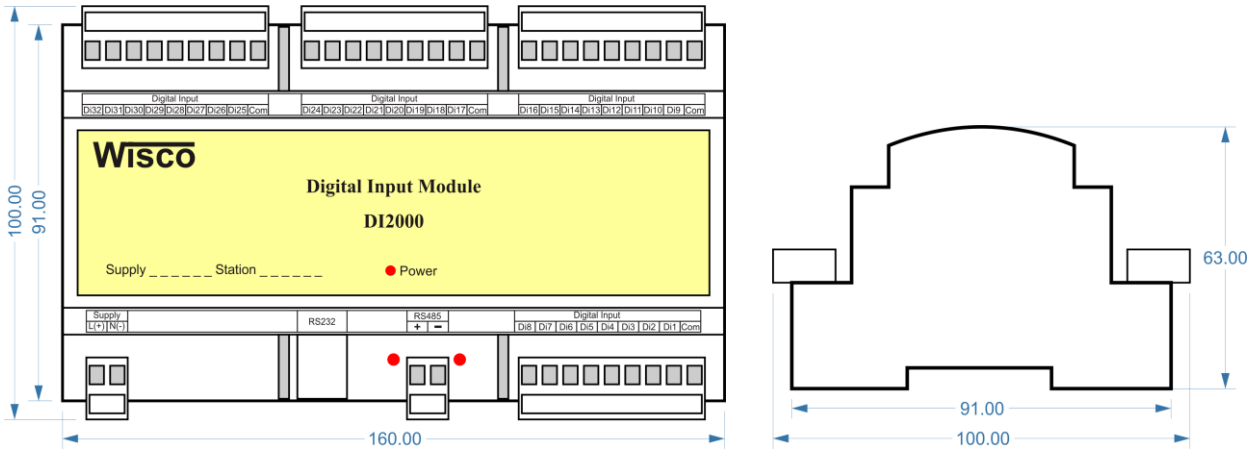
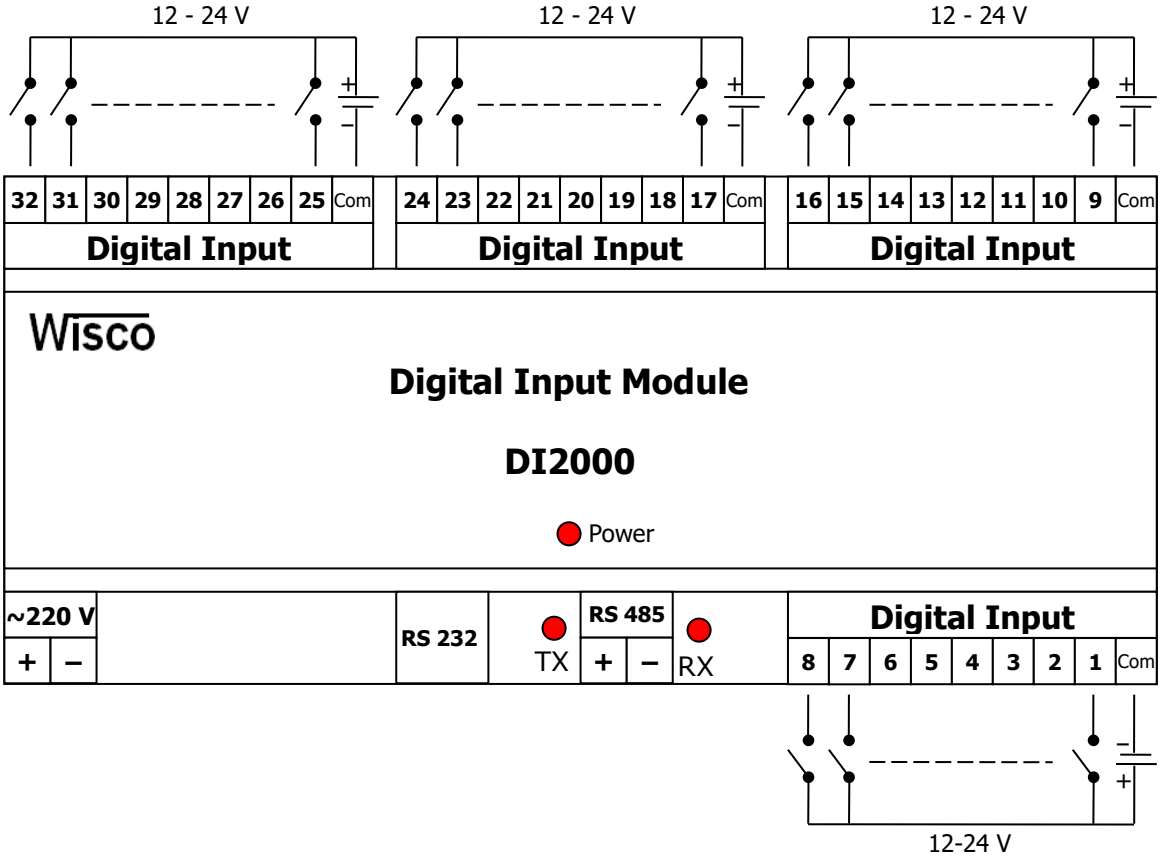
II. DI2000 Connection Method

Dimensions (Unit: mm.)



Wiring



Note: R = RUN, S = STOP, F = FAULT

DI1 = R1 DI4 = R2 DI7 = R3 . . . DI28 = R10
DI2 = S1 DI5 = S2 DI8 = S3 . . . DI29 = S10
DI3 = F1 DI6 = F2 DI9 = F3 . . . DI30 = F10

DIP Switch:

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

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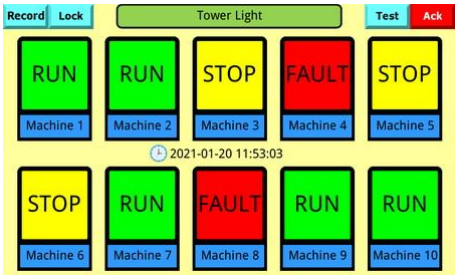
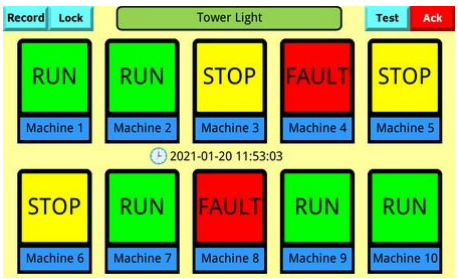


Before using the TL10, you must correctly connect the RS485 interface to the DI2000 module. If the connection is correct, the RX and TX indicators on the DI2000 will flash. Details regarding the TL10 configuration are as follows:

❖ **Display**



The Tower Light Indicator displays the status of 10 machines. There are three status modes: "RUN," "STOP," and "FAULT." If a machine indicates a "FAULT" status, an alarm sounds; the "Ack" button must be pressed to silence it. The "Test" button is used to test the alarm sound.

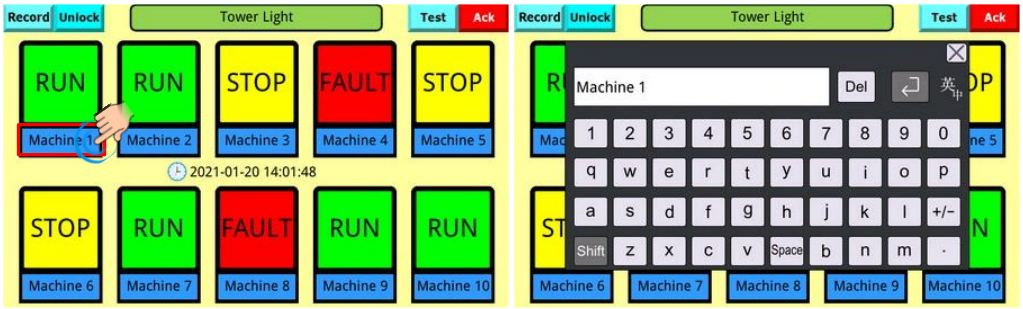
❖ **Recording the operating time of each machine**

Clicking on the "Lamp" indicator for a specific machine opens a page that records its operating time; this page also allows for the entry of alert messages for that machine. Tap the "Note" field, and the keyboard will pop up for you to enter text. You can enter up to 64 characters. Pressing the Down button (⏬) displays the first record, and pressing the Up button (⏫) displays the last record.

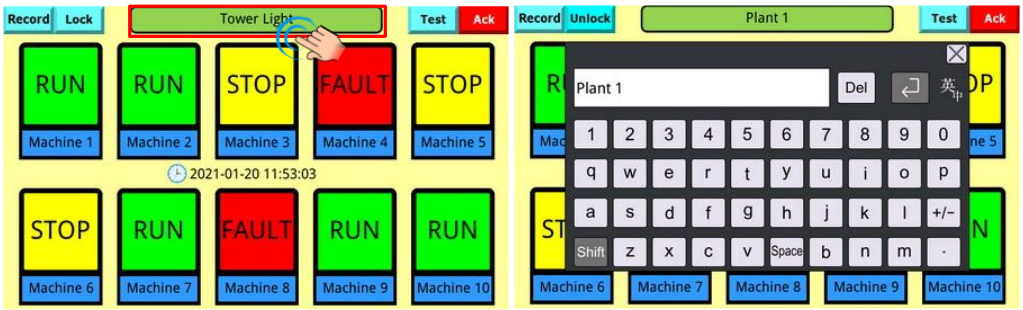
❖ **Recording of machine operating times (all machines)**

Pressing the "Record" button displays a screen showing the aggregated operating time for all machines. This data can be saved to an SD card by pressing the "Save" button; the data is stored as a CSV file, which can be opened using computer software such as Excel. Pressing the Down button (⏬) displays the first record, while pressing the Up button (⏫) displays the most recent record.

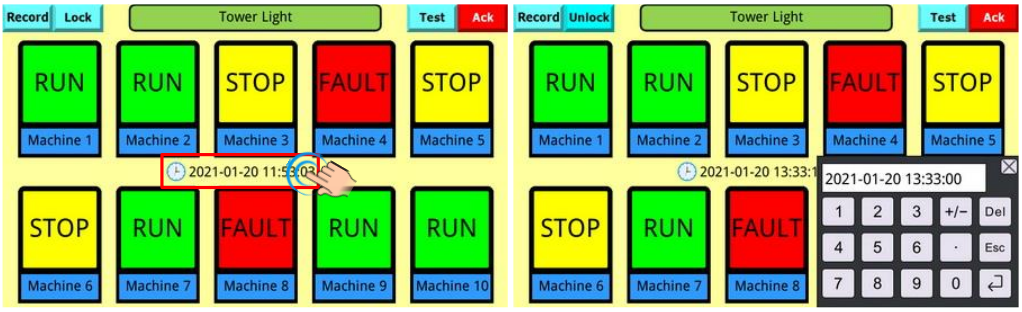
❖ **Programming of machine names, display screen names, and the clock.**



1) Switch the "Lock" button to "Unlock".
2) Tap the bottom area of the "Lamp" icon; a keyboard will pop up, allowing you to assign a name (up to 10 characters) to each machine.



3) Tap the top of the screen to enter the name for this page (32 characters).



4) Tap on the "Clock" icon to set the time. After configuring the settings, press the "Unlock" button to switch it back to "Lock".