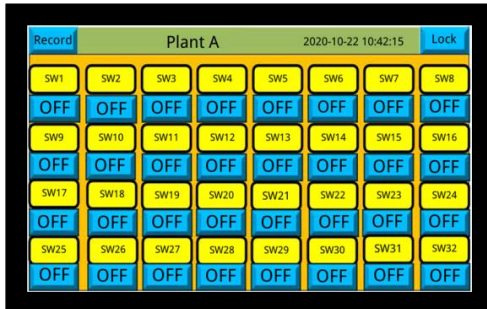
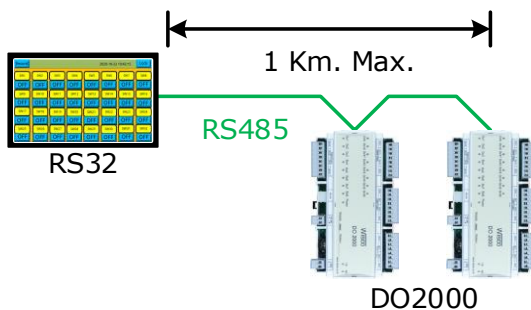


Remote Switch RS32

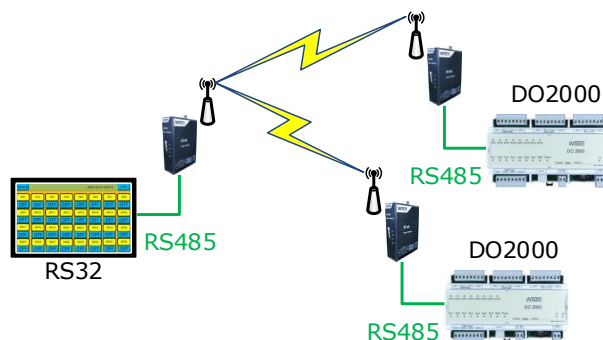


- 7" Touch Screen Panel
- Control 32 Switch
- 2-Wire RS485 Wiring
- Record On-Off Time

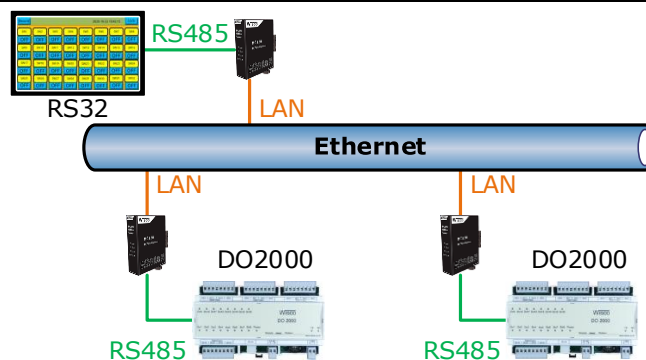
Remote Switch RS32 This touchscreen panel enables remote control of On/Off switches via a single pair of RS485 signal cables, supporting up to 32 switch units. It also logs the On/Off times for each switch for historical review and allows data to be saved to an SD card in CSV format, which is compatible with Windows applications such as Excel.



Connection via RS485.



Connection via Wireless (RC45).



Connection via Ethernet (MC320).

Specifications

Display

Display Size: 7" Touch Screen

Serial Interface

Serial Standards:

RS485 (Isolated) 2 Pin Terminal Block

Distance: RS485 Length 1 Km.

Protocol: MODBUS RTU

Serial Parameter

Baud Rate: 9600

Data Bits: 8

Stop Bits: 1

Parity: None

Relay Output

Number of Channel: 32 Channels

Relay Type: N.O.

Contact Rating: 5A@250VAC, 5A@30VDC

Ordering Information Specify Power Supply

Example RS32/220VAC

Package Checklist

1. RS32
2. DO2000

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.

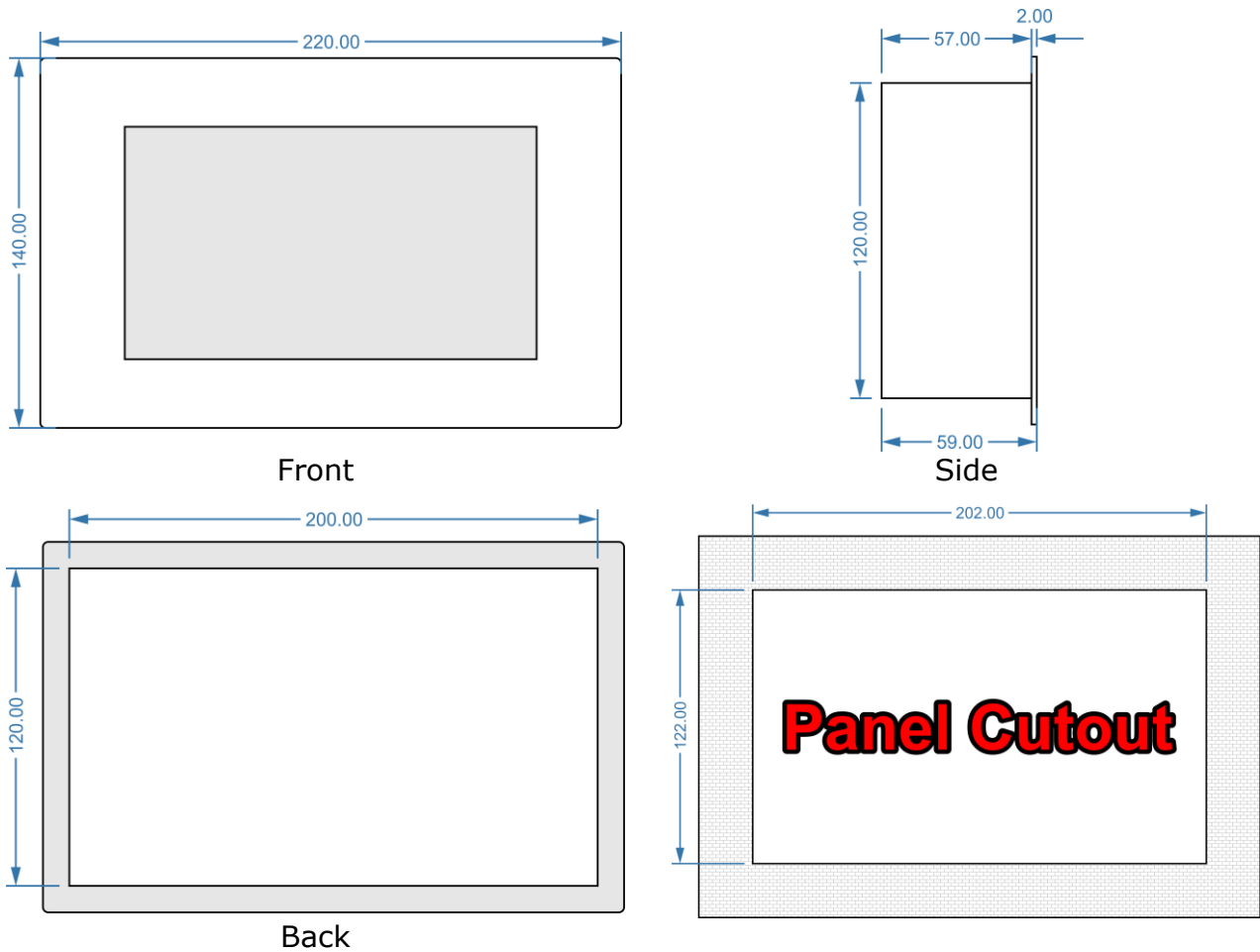
Mounting: Panel Mount

Warranty

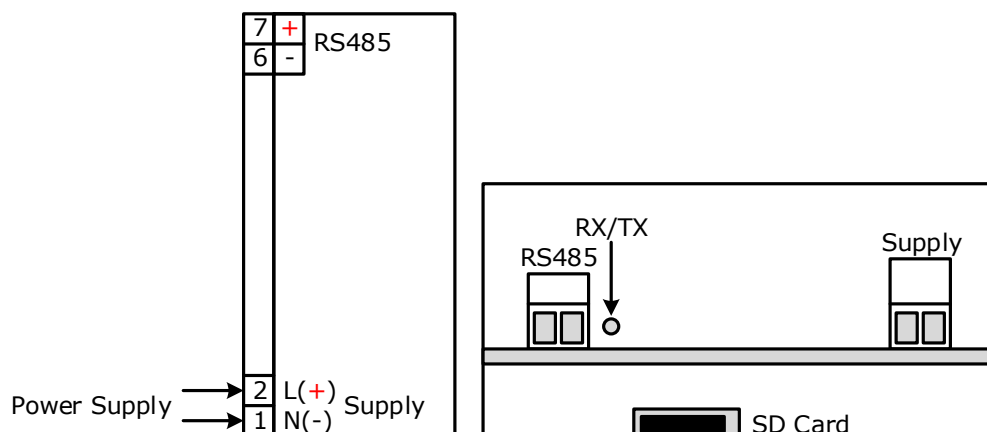
Warranty Period: 1 Year

I. RS32 Connection Method

Dimensions (Unit: mm.)

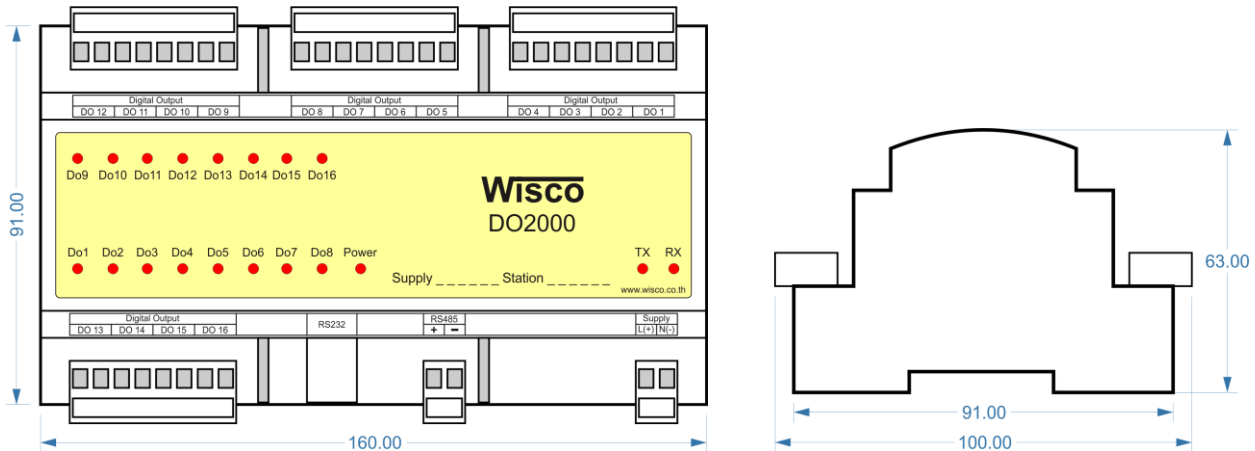


Wiring

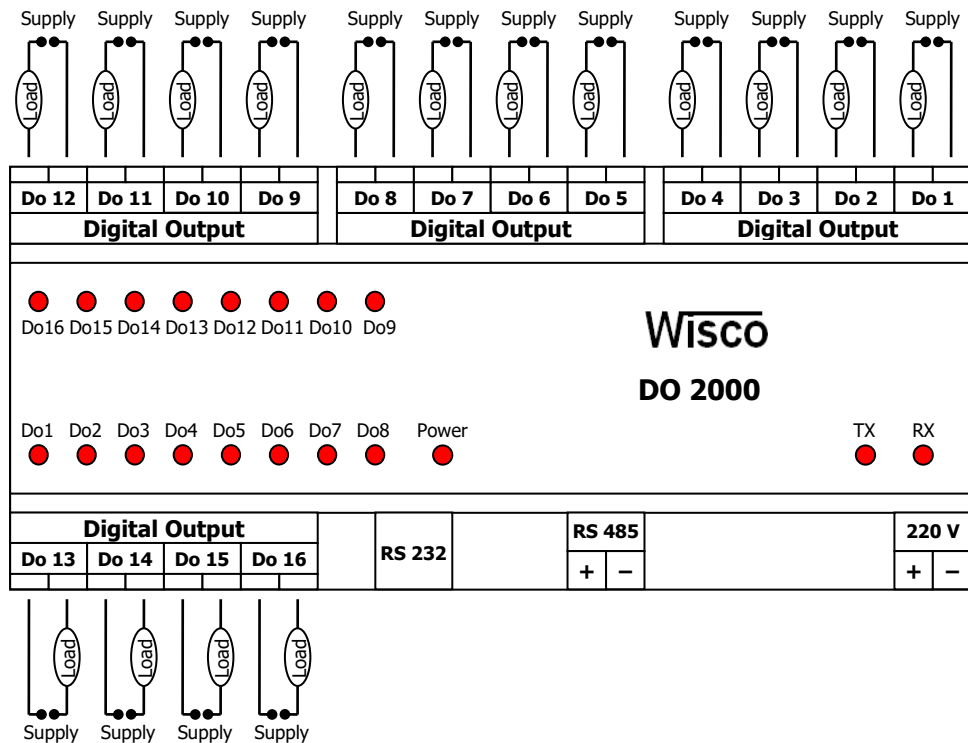


II. DO2000 Connection Method

Dimensions (Unit: mm.)



Wiring



Note:

DO2000 Station: 1

Digital Output 1 = S1
Digital Output 32 = S16

DO2000 Station: 2

Digital Output 1 = S17
Digital Output 32 = S32

DIP Switch:

DO2000 Station 1

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

DO2000 Station2

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

Operation of the Remote Switch RS32

Record	Plant A							Lock
	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	SW9	SW10	SW11	SW12	SW13	SW14	SW15	SW16
	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	SW17	SW18	SW19	SW20	SW21	SW22	SW23	SW24
	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	SW25	SW26	SW27	SW28	SW29	SW30	SW31	SW32
	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

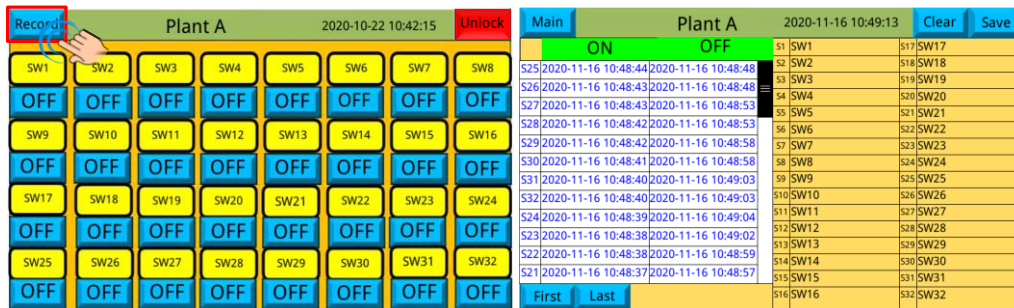
Before using the RS32, the RS485 connection to the DO2000 module must be correctly established. If connected properly, the RX and TX LEDs on the DO2000 will flash. Details regarding the RS32 configuration are as follows:

❖ Operation

The screenshots illustrate the RS32 interface operation. The top-left screenshot shows the 'Record' screen for 'Plant A' with 32 toggle switches (SW1-SW32) all in the 'OFF' state. A hand icon indicates a tap on SW4. The top-right screenshot shows the 'Main' screen for 'Plant A' with a log table for SW4. The log table has two columns: 'On Time' and 'Off Time'. A 'Note' field is highlighted with a red box and a hand icon, indicating where to tap to enter a notification. The bottom screenshot shows a pop-up keyboard that appears when the 'Note' field is tapped, allowing the user to enter a message like 'Chang Lamp'.

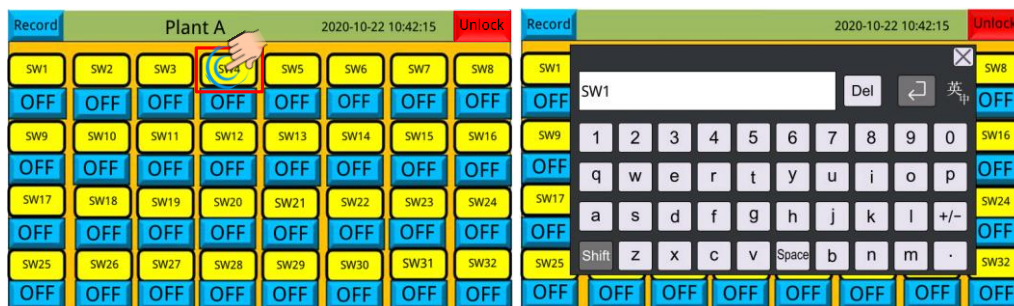
On Time	Off Time
2020-10-22 15:25:25	2020-10-22 15:25:26
2020-10-22 15:25:24	2020-10-22 15:25:25
2020-10-22 15:25:22	2020-10-22 15:25:23
2020-10-22 15:25:17	2020-10-22 15:25:17
2020-10-22 15:25:16	2020-10-22 15:25:16
2020-10-22 15:25:14	2020-10-22 15:25:15
2020-10-22 14:31:57	2020-10-22 14:31:57
2020-10-22 14:31:55	2020-10-22 14:31:56
2020-10-22 14:31:54	2020-10-22 14:31:55
2020-10-22 14:31:53	2020-10-22 14:31:54
2020-10-22 14:31:52	2020-10-22 14:31:52
2020-10-22 14:31:51	2020-10-22 14:31:51
2020-10-22 14:31:49	2020-10-22 14:31:50
2020-10-22 14:31:48	2020-10-22 14:31:49

The main screen features 32 toggle switches (On/Off). Above each switch is its name; tapping this area navigates to a screen displaying the On/Off log for that specific switch. Pressing the "First" button displays the earliest record, while the "Last" button shows the most recent one. Additionally, tapping the "Note" field on the right triggers a pop-up keyboard, allowing the user to enter a notification message for that switch.

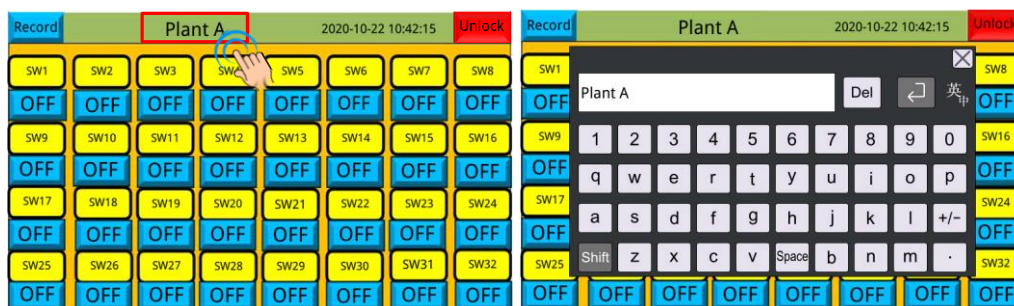


On the main screen, pressing the "Record" button leads to the screen displaying the total On/Off timing for all 32 switches; pressing "Save" records the data to the SD Card. Pressing the "First" button displays the initial record, while pressing the "Last" button displays the most recent record.

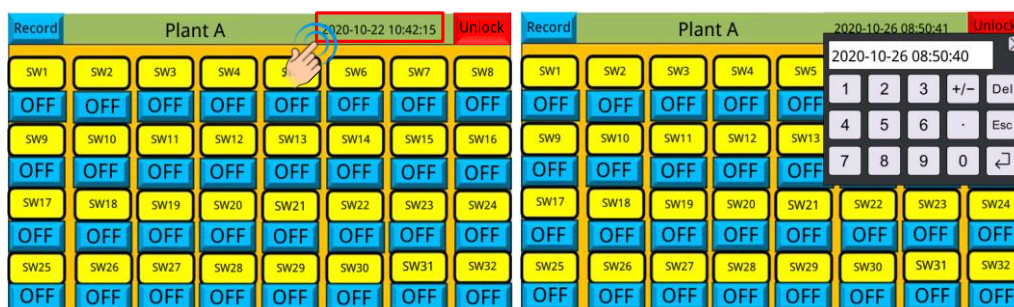
❖ **Adding a Switch name, adding a page name, and setting the clock.**



On the main screen, press the "Lock" button to switch it to "Unlock." Tap the top of each switch to bring up a pop-up keyboard where you can enter a name.



Tap the field at the top of the page, and the keyboard will appear so you can enter a general name for the page.



Tap the "Clock" icon, and a keypad will appear for you to set the time. Once you have finished configuring the settings, you must press the "Unlock" button to switch it back to "Lock."