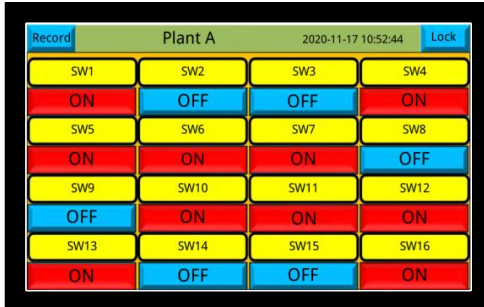
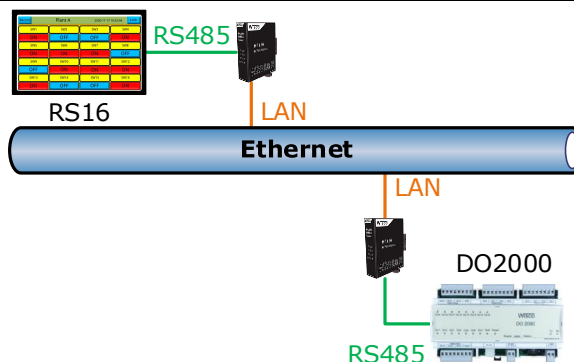
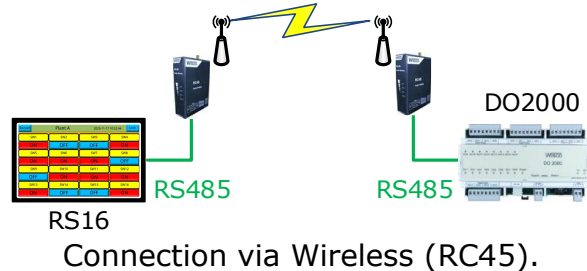
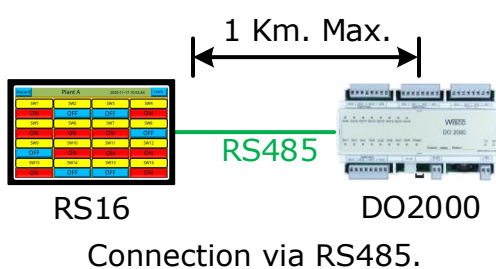


Remote Switch RS16



- 7" Touch Screen Panel
- Control 16 Switch
- 2-Wire RS485 Wiring
- Record On-Off Time

Remote Switch RS16 This touchscreen unit enables remote control of On/Off switches via a single pair of RS485 signal cables, supporting the control of up to 16 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.



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: 16 Channels

Relay Type: N.O.

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

Ordering Information Specify Power Supply

Example RS16/220VAC

Package Checklist

1. RS16
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.

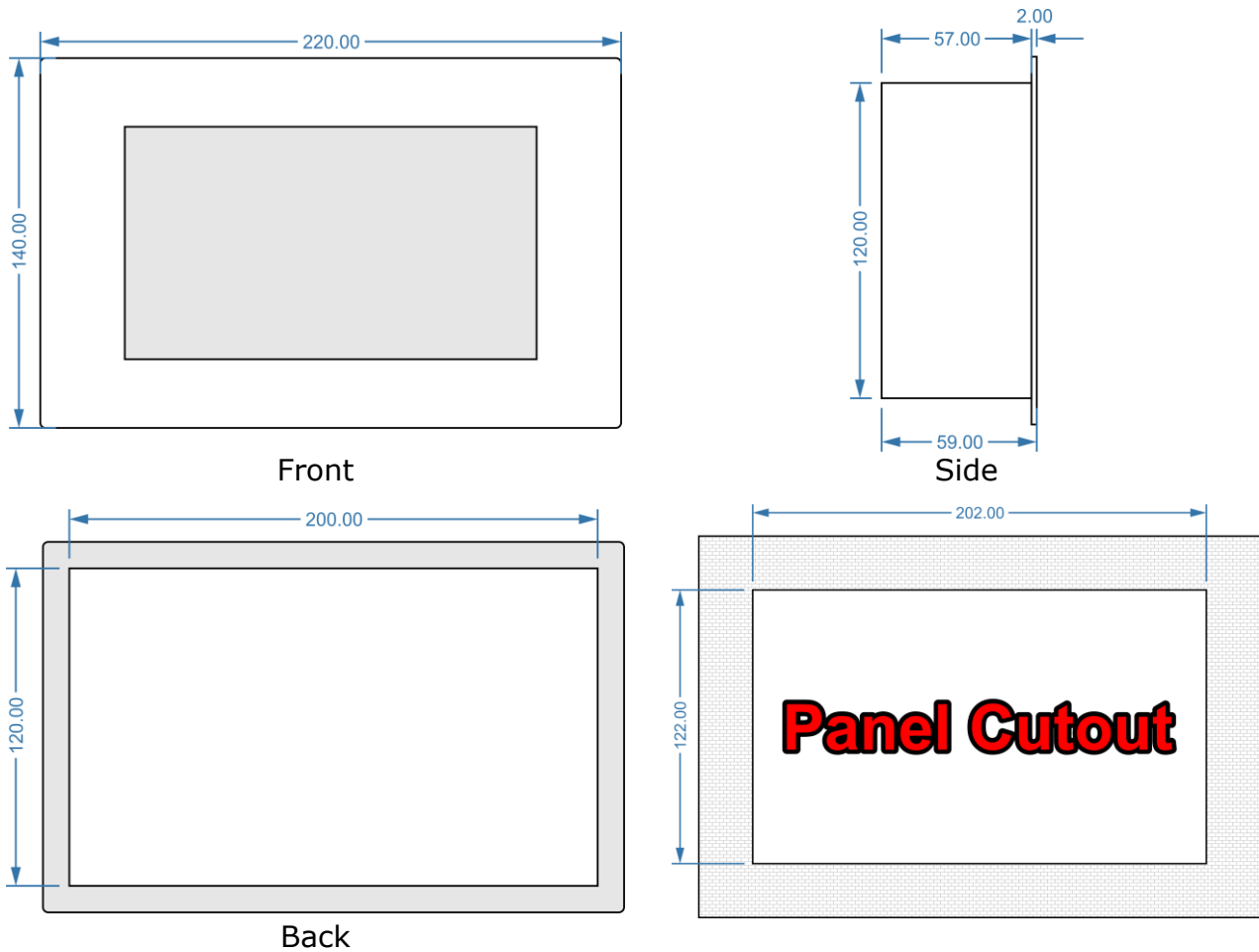
Mounting: Panel Mount

Warranty

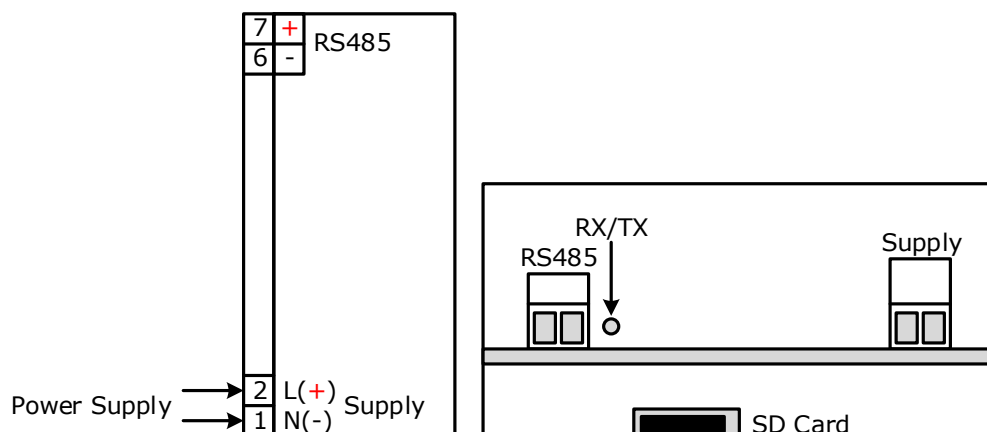
Warranty Period: 1 Year

I. RS32 Connection Method

Dimensions (Unit: mm.)

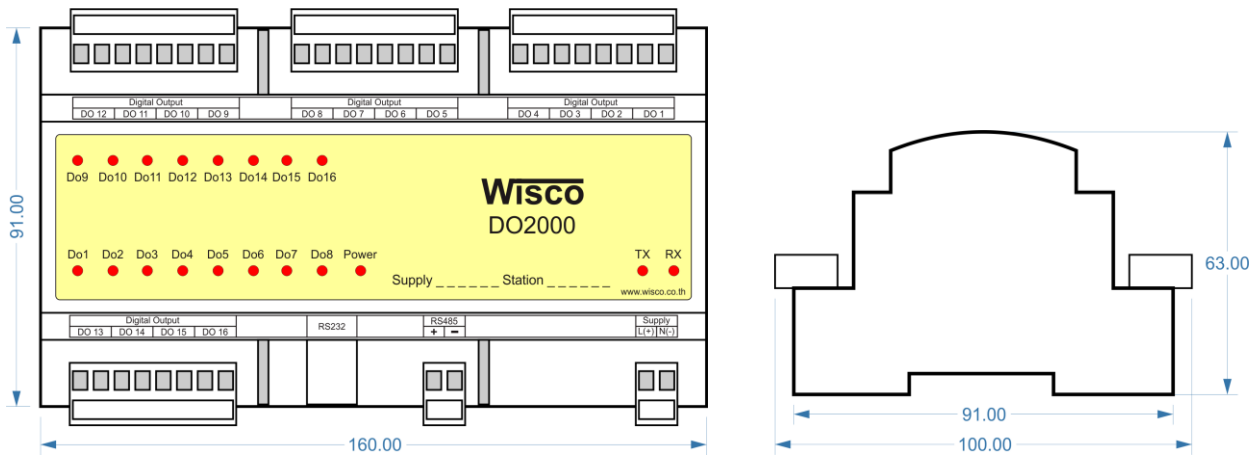


Wiring

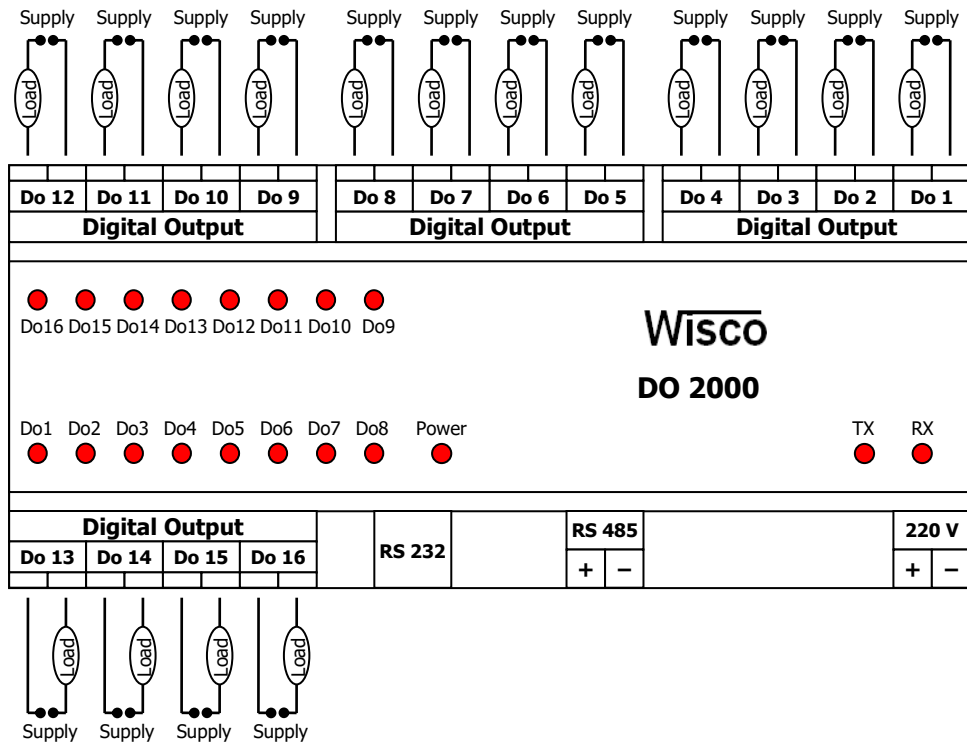


II. DO2000 Connection Method

Dimensions (Unit: mm.)



Wiring



Note:

DO2000

Digital Output 1 = S1
Digital Output 16 = S16

DIP Switch:

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

Operation of the Remote Switch RS16

Record	Plant A				2020-11-17 10:52:44	Lock
SW1	SW2	SW3	SW4			
ON	OFF	OFF	ON			
SW5	SW6	SW7	SW8			
ON	ON	ON	OFF			
SW9	SW10	SW11	SW12			
OFF	ON	ON	ON			
SW13	SW14	SW15	SW16			
ON	OFF	OFF	ON			

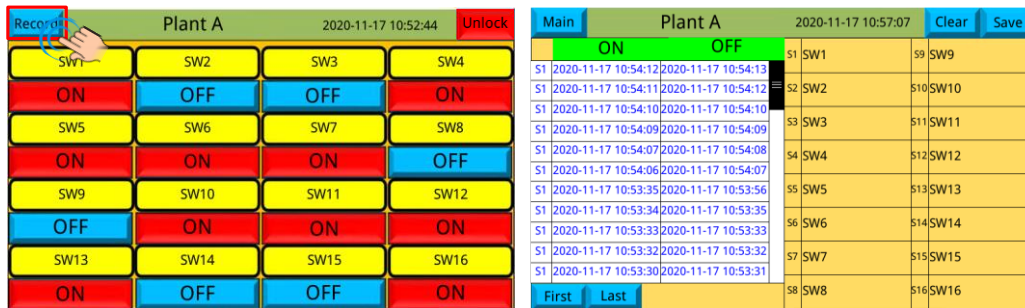
Before using the RS16, you must correctly connect the RS485 interface to the DO2000 module. If the connection is correct, the RX and TX indicator lights on the DO2000 will flash. Details regarding the RS16 configuration are as follows:

❖ Operation

The screenshots illustrate the RS16 interface operation. The top-left screenshot shows the 'Record' screen for 'Plant A' with 16 toggle switches (SW1-SW16) and their status (ON/OFF). The top-right screenshot shows the 'Main' screen for 'Plant A' with a log table of On/Off times and a 'Note' field. The bottom screenshot shows a pop-up keyboard for entering a note.

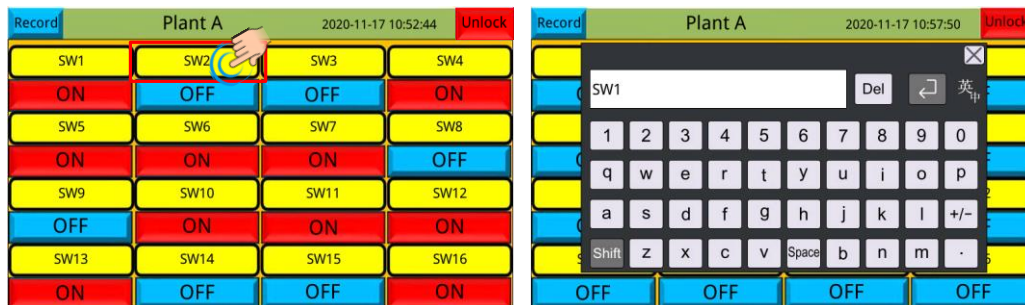
On Time	Off Time
2020-11-17 10:54:12	2020-11-17 10:54:13
2020-11-17 10:54:11	2020-11-17 10:54:12
2020-11-17 10:54:10	2020-11-17 10:54:10
2020-11-17 10:54:09	2020-11-17 10:54:09
2020-11-17 10:54:07	2020-11-17 10:54:08
2020-11-17 10:54:06	2020-11-17 10:54:07
2020-11-17 10:53:35	2020-11-17 10:53:56
2020-11-17 10:53:34	2020-11-17 10:53:35
2020-11-17 10:53:33	2020-11-17 10:53:33
2020-11-17 10:53:32	2020-11-17 10:53:32
2020-11-17 10:53:30	2020-11-17 10:53:31
2020-11-17 10:53:29	2020-11-17 10:53:30
2020-11-17 10:53:28	2020-11-17 10:53:29
2020-11-17 10:53:25	2020-11-17 10:53:25

The main screen features 16 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.

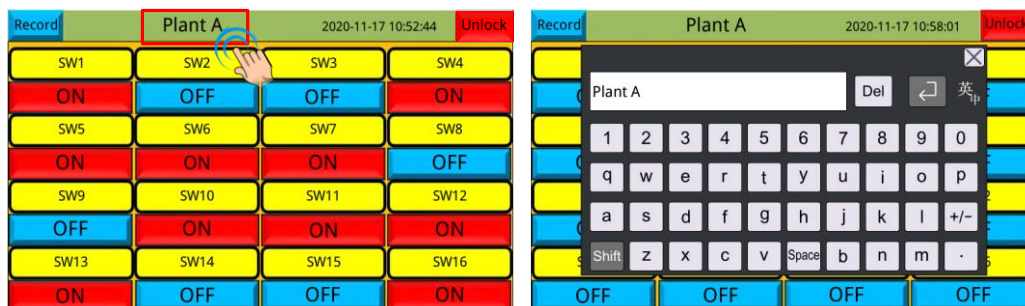


On the main screen, pressing the "Record" button leads to the screen displaying the total On/Off timing for all 32 switches; pressing "Save" records the data to the SD Card. Pressing the "First" button displays the initial record, while pressing the "Last" button displays the most recent record.

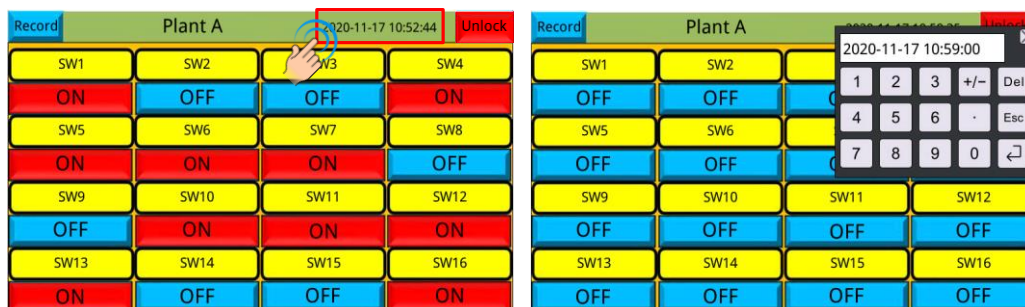
❖ **Adding a Switch name, adding a page name, and setting the clock.**



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."