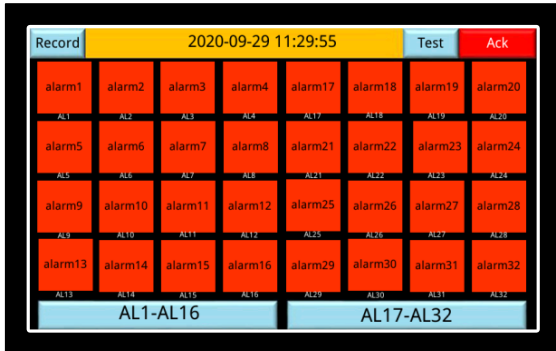


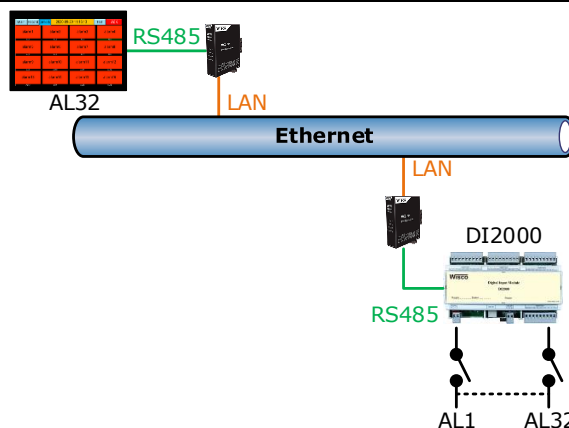
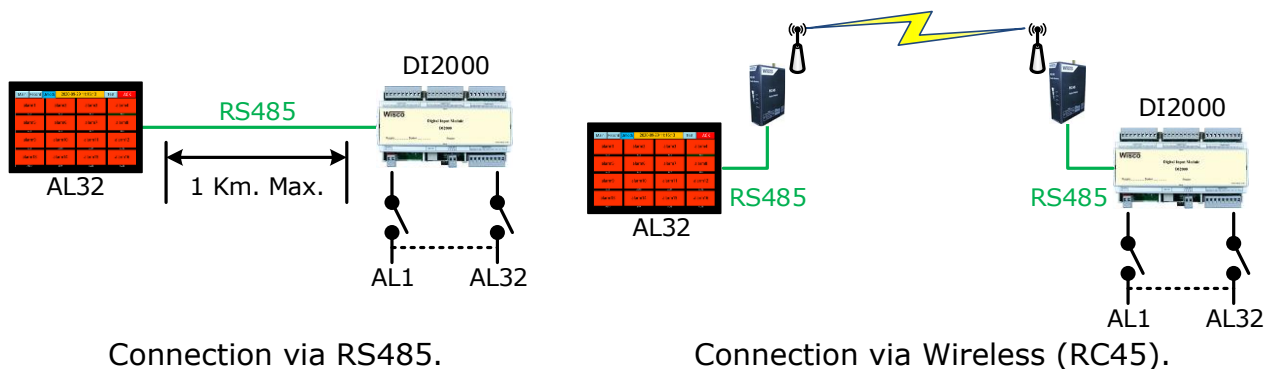
Alarm Indicator

AL32



- 7" Touch Screen Panel
- Max 32 Alarms Input
- Record Alarm Data in SD Card
- 2-Wire RS485 Wiring

Alarm Indicator AL32 It features a touchscreen display that indicates the location of alarms and provides audible alerts. Users can program custom names for each alarm input. Alarm event timestamps are stored in memory for historical review and can be saved to an SD card as a CSV file, which is compatible with programs like Excel on a computer.



Specifications

Alarm 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)

Ordering Information Specify Alarm Input Voltage, Power Supply

Example AL32/24VDC/220VAC

Package Checklist

1. AL32
2. DI2000

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.

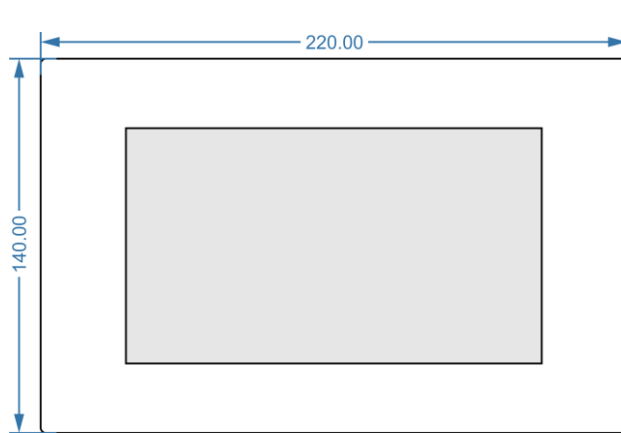
Mounting: Panel Mount

Warranty

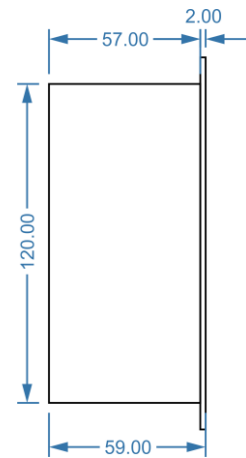
Warranty Period: 1 Year

I. Connection Method AL32

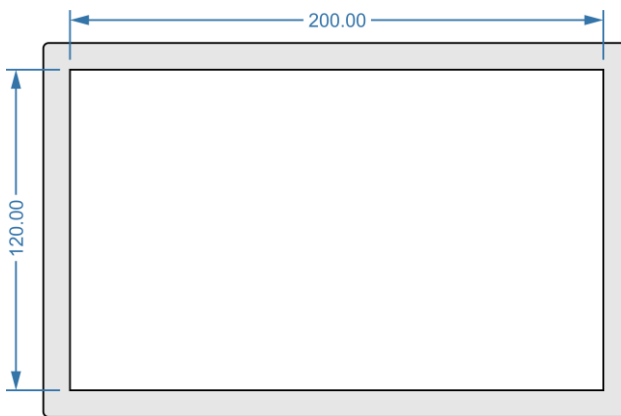
Dimensions (Unit: mm.)



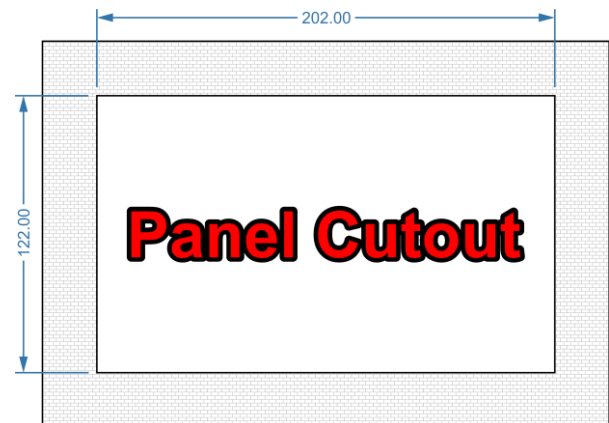
Front



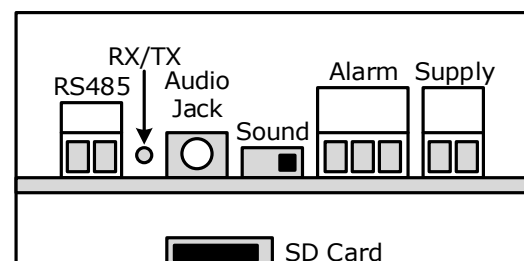
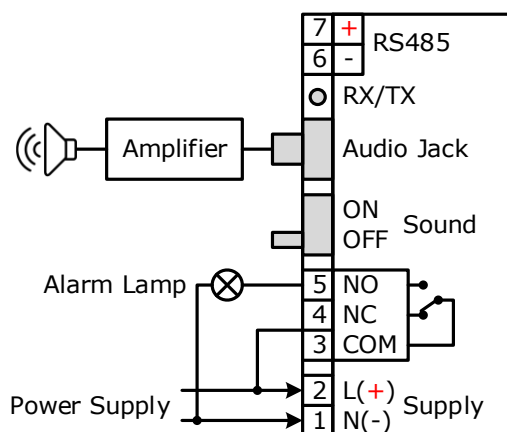
Side



Back

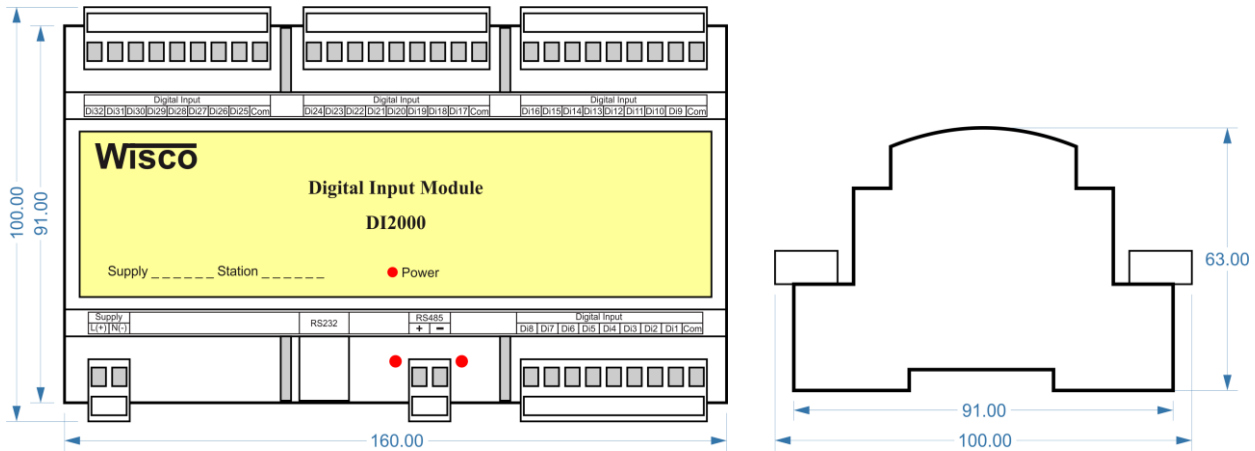


Wiring

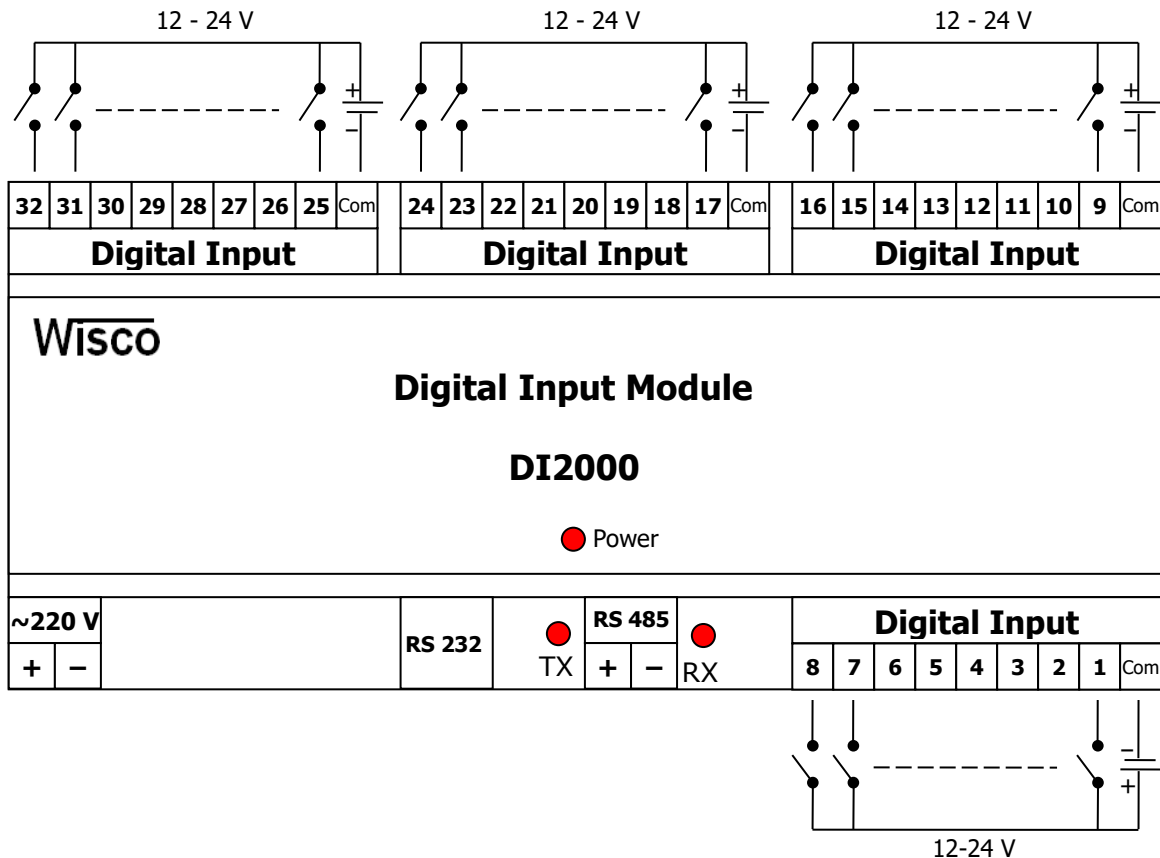


II. Connection Method DI2000

Dimensions (Unit: mm.)



Wiring



Note:

Digital Input 1 = AL1

Digital Input 2 = AL2

...

...

Digital Input 32 = AL32

DIP Switch:

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

Operation of the Alarm Indicator AL32

Record	2020-09-29 11:29:55								Test	Ack
alarm1	alarm2	alarm3	alarm4	alarm17	alarm18	alarm19	alarm20			
AL1	AL2	AL3	AL4	AL17	AL18	AL19	AL20			
alarm5	alarm6	alarm7	alarm8	alarm21	alarm22	alarm23	alarm24			
AL5	AL6	AL7	AL8	AL21	AL22	AL23	AL24			
alarm9	alarm10	alarm11	alarm12	alarm25	alarm26	alarm27	alarm28			
AL9	AL10	AL11	AL12	AL25	AL26	AL27	AL28			
alarm13	alarm14	alarm15	alarm16	alarm29	alarm30	alarm31	alarm32			
AL13	AL14	AL15	AL16	AL29	AL30	AL31	AL32			
AL1-AL16				AL17-AL32						

Before using the AL32, 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 AL32 configuration are as follows:

❖ Alarm Display

Record	2020-09-29 11:29:55								Test	Ack
alarm1	alarm2	alarm3	alarm4	alarm17	alarm18	alarm19	alarm20			
AL1	AL2	AL3	AL4							
alarm5	alarm6	alarm7	alarm8	alarm1	alarm2	alarm3	alarm4			
AL5	AL6	AL7	AL8	AL1	AL2	AL3	AL4			
alarm9	alarm10	alarm11	alarm12	alarm5	alarm6	alarm7	alarm8			
AL9	AL10	AL11	AL12	AL5	AL6	AL7	AL8			
alarm13	alarm14	alarm15	alarm16	alarm9	alarm10	alarm11	alarm12			
AL13	AL14	AL15	AL16	AL9	AL10	AL11	AL12			
AL1-AL16				alarm13	alarm14	alarm15	alarm16			
				AL13	AL14	AL15	AL16			

The Alarm Indicator features two types of display screens: a main screen showing all 32 alarms, and sub-screens displaying 16 alarms per page (comprising two sub-screens).

When an alarm occurs, the corresponding input flashes and an audible alarm sounds. Press the "Ack" button to silence the alarm; once the alarm condition is cleared, the indicator on the display stops flashing. The "Test" button is used to test the alarm sound.

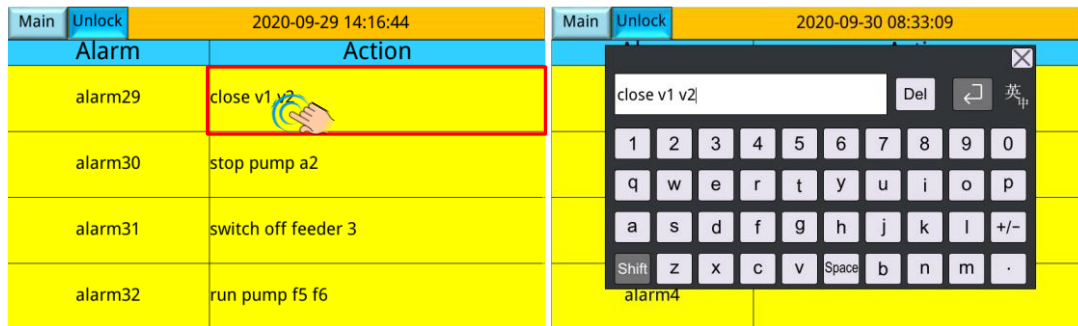
❖ Alarm Action Display

Record	2020-09-29 11:29:55								Test	Ack
alarm1	alarm2	alarm3	alarm4	alarm17	alarm18	alarm19	alarm20			
AL1	AL2	AL3	AL4	AL17	AL18	AL19	AL20			
alarm5	alarm6	alarm7	alarm8	alarm21	alarm22	alarm23	alarm24			
AL5	AL6	AL7	AL8	AL21	AL22	AL23	AL24			
alarm9	alarm10	alarm11	alarm12	alarm25	alarm26	alarm27	alarm28			
AL9	AL10	AL11	AL12	AL25	AL26	AL27	AL28			
alarm13	alarm14	alarm15	alarm16	alarm29	alarm30	alarm31	alarm32			
AL13	AL14	AL15	AL16	AL29	AL30	AL31	AL32			
AL1-AL16				AL17-AL32						

Main	Unlock	2020-09-29 14:16:44							
Alarm				Action					
alarm29				close v1 v2					
alarm30				stop pump a2					
alarm31				switch off feeder 3					
alarm32				run pump f5 f6					

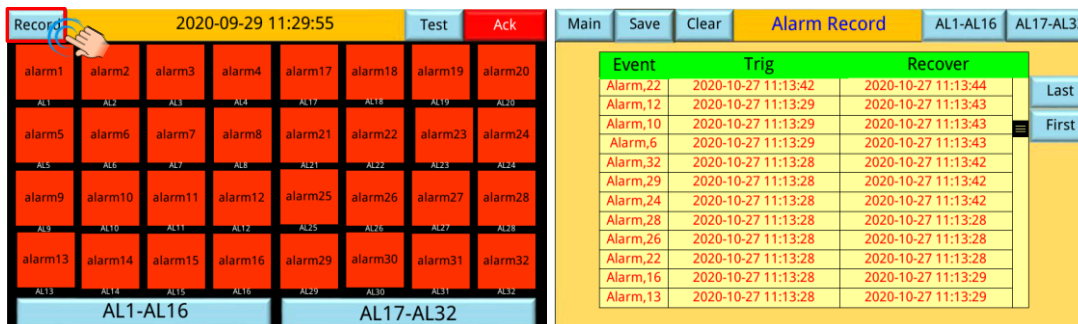
On the Alarm screen, tapping the Alarm Lamp for a specific input leads to a screen detailing the required actions to be taken when that alarm occurs.

❖ Setting Alarm Actions



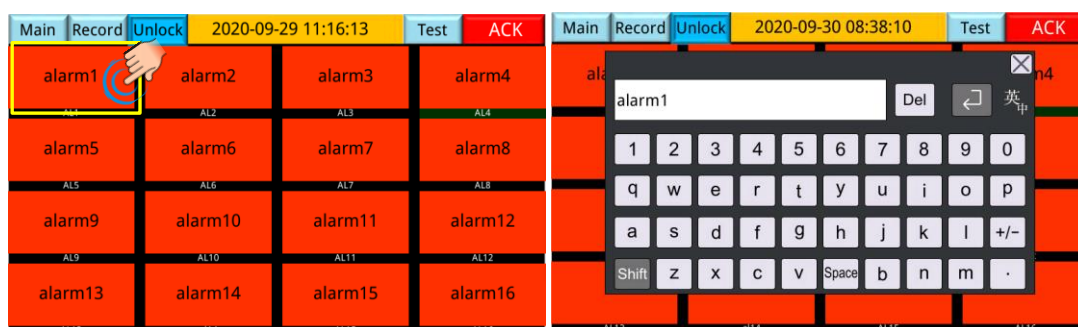
Press the "Lock" button to switch it to "Unlock." Tap the "Action" field to bring up the on-screen keyboard, enter your text, and then press the "Unlock" button again to switch it back to "Lock."

❖ Record

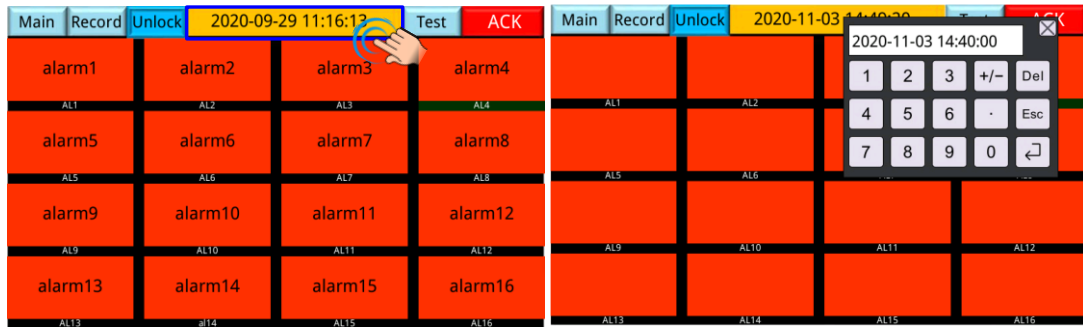


This page records the start and end times of alarms. This data can be saved to an SD card by pressing the "Save" button; the saved file is in CSV format and can be opened in programs such as Excel. Pressing the "First" button displays the first record, while pressing the "Last" button displays the most recent record.

❖ Setting the Alarm Name and Time (Clock)



Go to the Alarm sub-screen and press the "Lock" button to switch it to "Unlock." Tapping on the Alarm will bring up a pop-up keyboard, allowing you to enter the desired text.



Tap the "Clock" area to access the time-setting screen. After configuring the settings, you must press the "Unlock" button to switch it back to "Lock."