

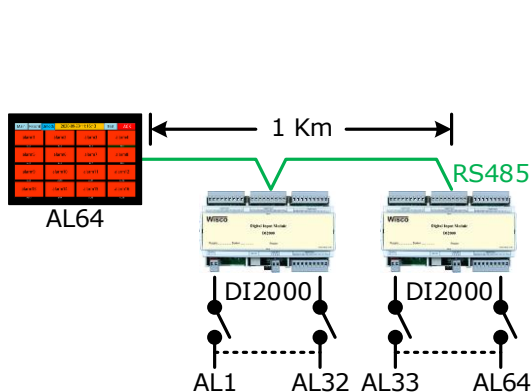
Alarm Indicator

AL64

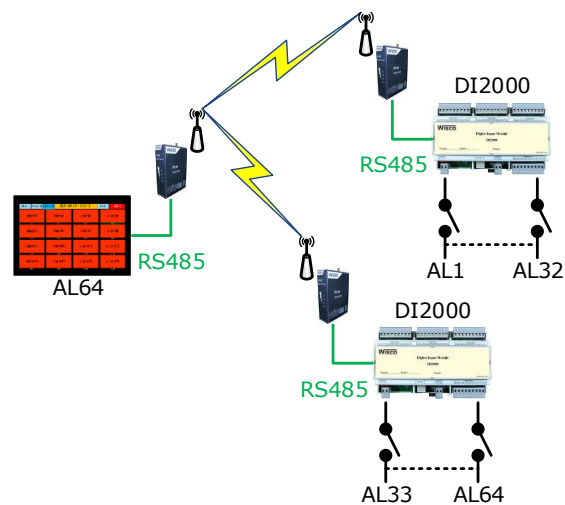
Record				2020-10-01 08:39:35				Test				Ack			
alarm1	alarm2	alarm3	alarm4	alarm33	alarm34	alarm35	alarm36								
AL1	AL2	AL3	AL4	AL33	AL34	AL35	AL36								
alarm5	alarm6	alarm7	alarm8	alarm37	alarm38	alarm39	alarm40								
AL5	AL6	AL7	AL8	AL37	AL38	AL39	AL40								
alarm9	alarm10	alarm11	alarm12	alarm41	alarm42	alarm43	alarm44								
AL9	AL10	AL11	AL12	AL41	AL42	AL43	AL44								
alarm13	alarm14	alarm15	alarm16	alarm45	alarm46	alarm47	alarm48								
AL13	AL14	AL15	AL16	AL45	AL46	AL47	AL48								
AL1-AL16				AL33-AL48											
alarm17	alarm18	alarm19	alarm20	alarm49	alarm50	alarm51	alarm52								
AL17	AL18	AL19	AL20	AL49	AL50	AL51	AL52								
alarm21	alarm22	alarm23	alarm24	alarm53	alarm54	alarm55	alarm56								
AL21	AL22	AL23	AL24	AL53	AL54	AL55	AL56								
alarm25	alarm26	alarm27	alarm28	alarm57	alarm58	alarm59	alarm60								
AL25	AL26	AL27	AL28	AL57	AL58	AL59	AL60								
alarm29	alarm30	alarm31	alarm32	alarm61	alarm62	alarm63	alarm64								
AL29	AL30	AL31	AL32	AL61	AL62	AL63	AL64								
AL17-AL32				AL49-AL64											

- 7" Touch Screen Panel
- Max 64 Alarms Input
- Record Alarm Data in SD Card
- 2-Wire RS485 Wiring

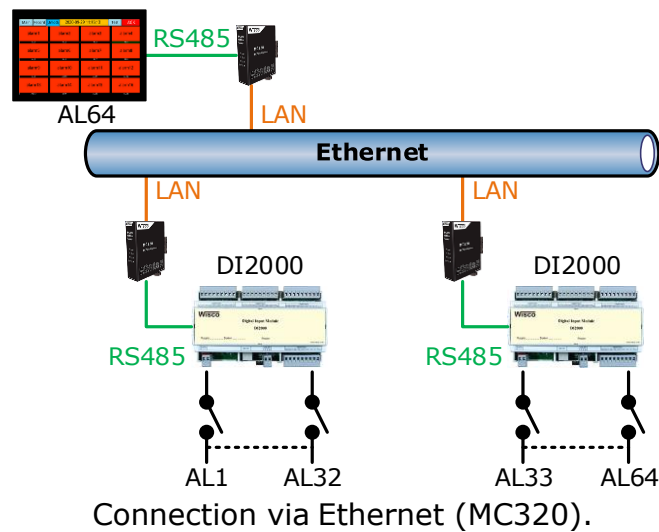
Alarm Indicator AL64 It features a touchscreen display that indicates the location of alarms and provides audible alerts. Users can program custom names for each alarm input. Alarm event timestamps are stored in memory for historical review and can be saved to an SD card as a CSV file, which is compatible with programs like Excel on a computer.



Connection via RS485.



Connection via Wireless (RC45).



Specifications

Alarm Input

Number of Channel: 64 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 AL64/24VDC/220VAC

Package Checklist

1. AL64
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.

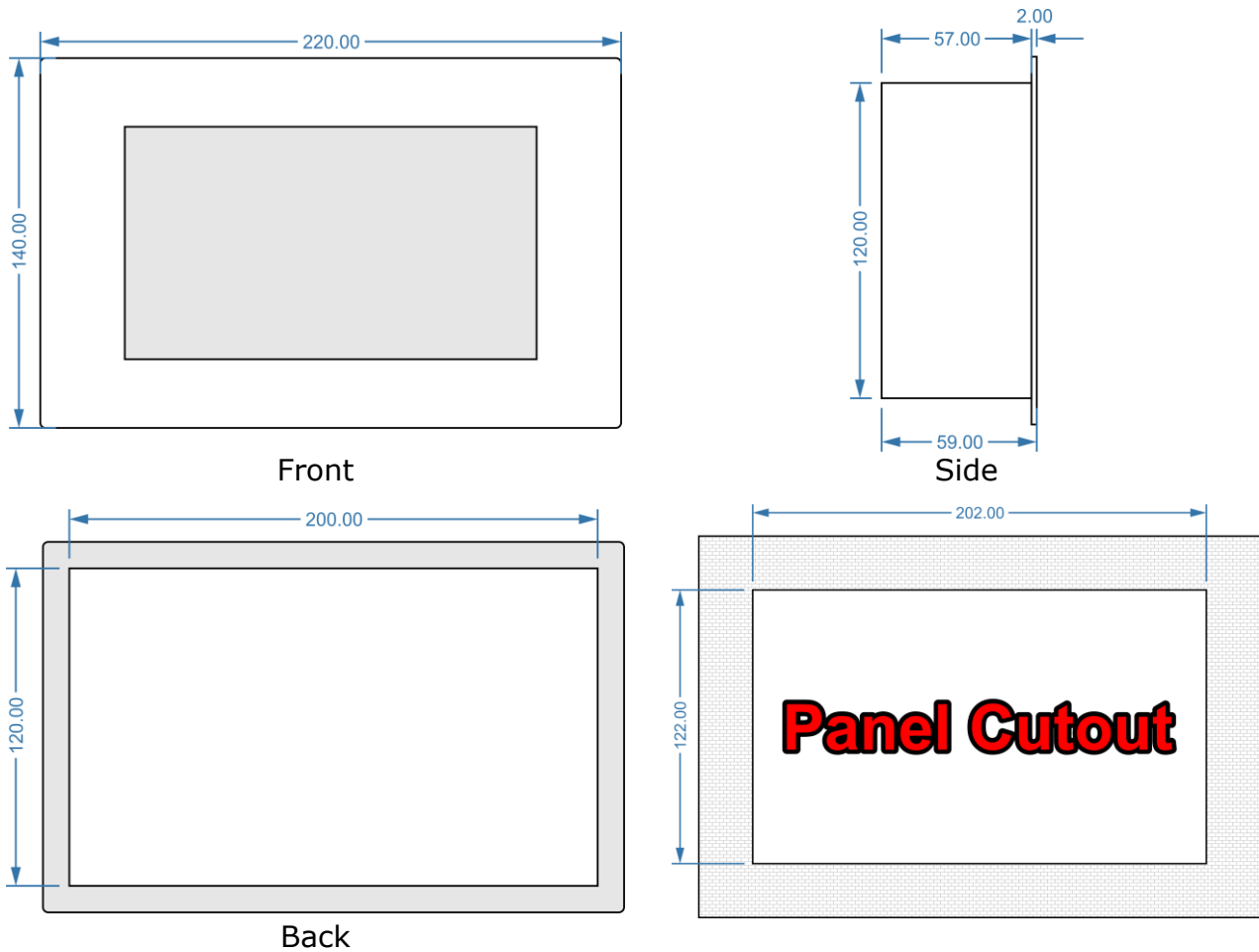
Mounting: Panel Mount

Warranty

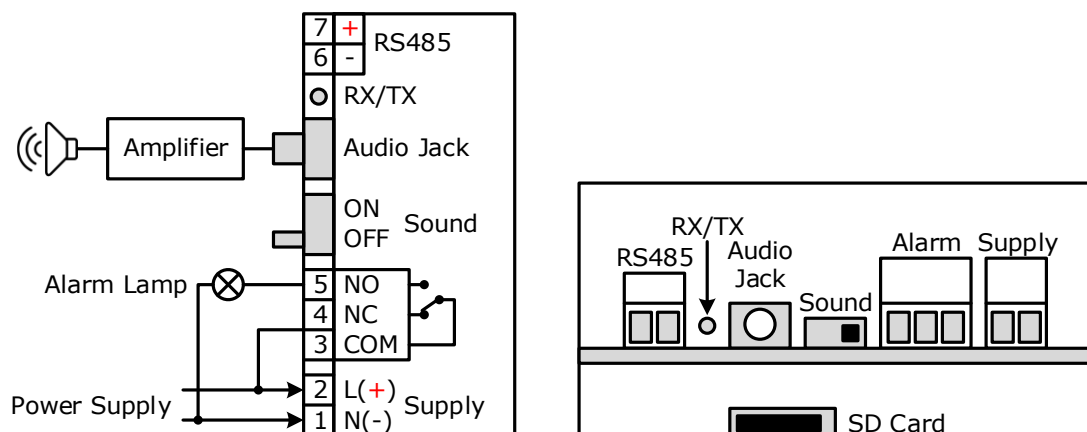
Warranty Period: 1 Year

I. AL64 Connection Method

Dimensions (Unit: mm.)

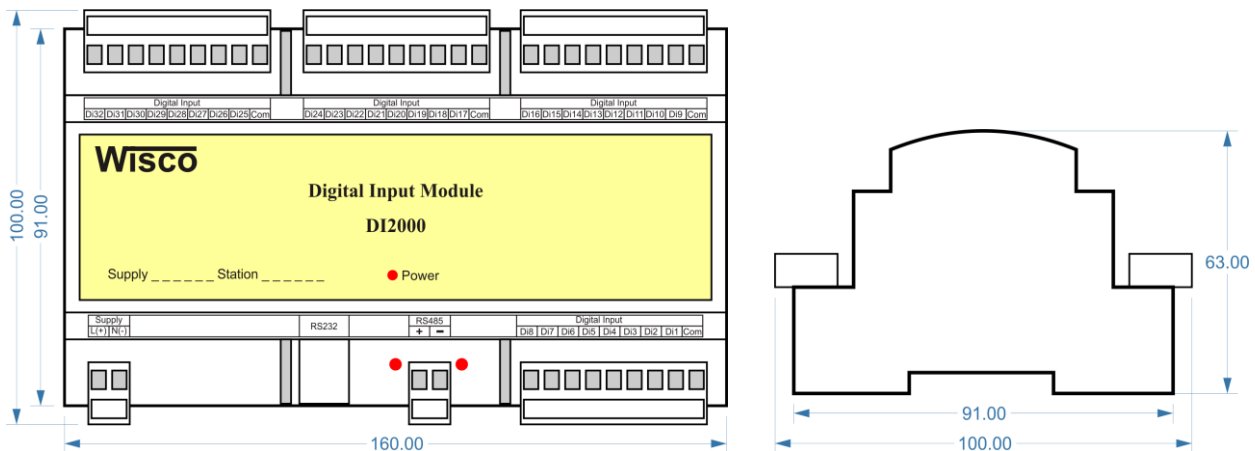


Wiring

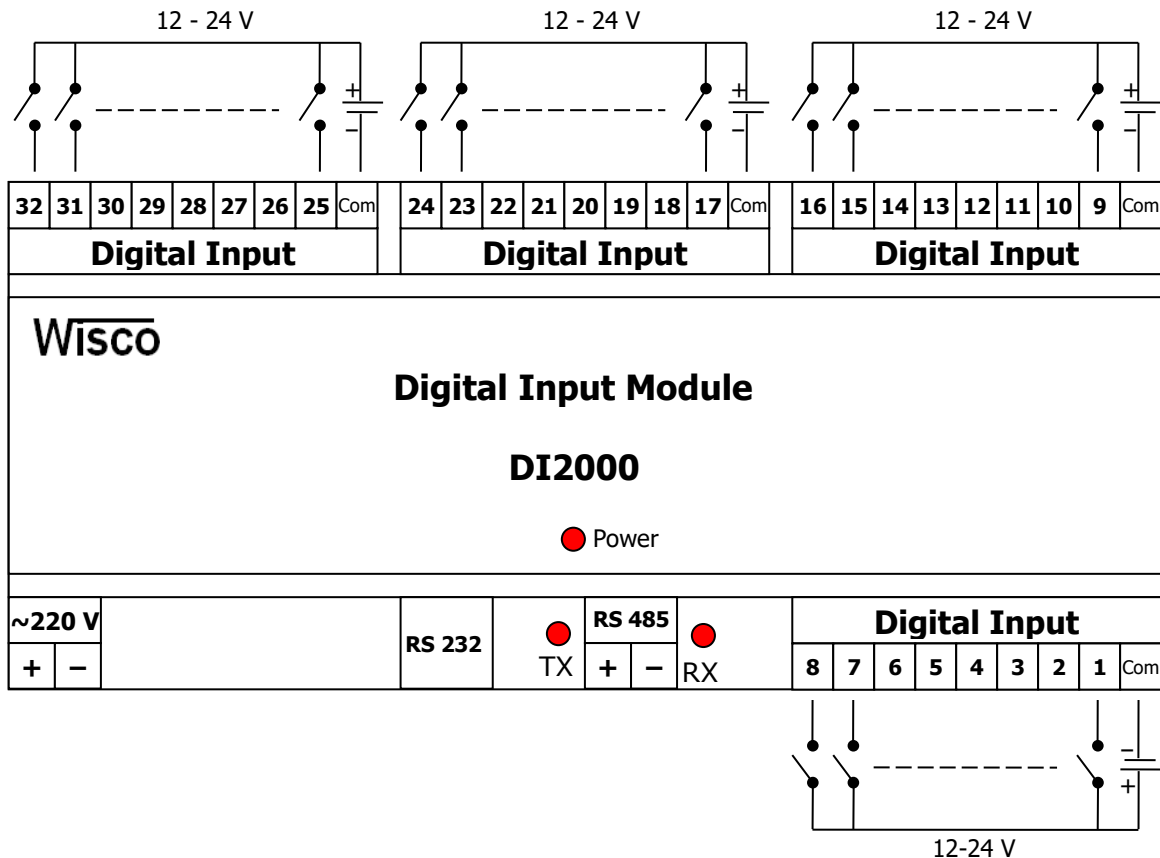


II. Connection Method

Dimensions (Unit: mm.)



Wiring



Note:

DI2000 Station: 1

Digital Input 1 = AL1
Digital Input 32 = AL32

DI2000 Station: 2

Digital Input 1 = AL33
Digital Input 32 = AL64

DIP Switch:

DI2000 Station 1

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

DI2000 Station2

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

Operation of the Alarm Indicator AL64

Record	2020-10-01 08:39:35								Test	Ack
alarm1	alarm2	alarm3	alarm4	alarm33	alarm34	alarm35	alarm36			
AL1	AL2	AL3	AL4	AL33	AL34	AL35	AL36			
alarm5	alarm6	alarm7	alarm8	alarm37	alarm38	alarm39	alarm40			
AL5	AL6	AL7	AL8	AL37	AL38	AL39	AL40			
alarm9	alarm10	alarm11	alarm12	alarm41	alarm42	alarm43	alarm44			
AL9	AL10	AL11	AL12	AL41	AL42	AL43	AL44			
alarm13	alarm14	alarm15	alarm16	alarm45	alarm46	alarm47	alarm48			
AL13	AL14	AL15	AL16	AL45	AL46	AL47	AL48			
AL1-AL16				AL33-AL48						
alarm17	alarm18	alarm19	alarm20	alarm49	alarm50	alarm51	alarm52			
AL17	AL18	AL19	AL20	AL49	AL50	AL51	AL52			
alarm21	alarm22	alarm23	alarm24	alarm53	alarm54	alarm55	alarm56			
AL21	AL22	AL23	AL24	AL53	AL54	AL55	AL56			
alarm25	alarm26	alarm27	alarm28	alarm57	alarm58	alarm59	alarm60			
AL25	AL26	AL27	AL28	AL57	AL58	AL59	AL60			
alarm29	alarm30	alarm31	alarm32	alarm61	alarm62	alarm63	alarm64			
AL29	AL30	AL31	AL32	AL61	AL62	AL63	AL64			
AL17-AL32				AL49-AL64						

Before using the AL64, the RS485 connection to the DI2000 module must be correctly established. If connected properly, the RX and TX indicators on the DI2000 will flash. Details regarding the AL64 configuration are as follows:

❖ Alarm Display

Record	2020-10-01 08:39:35								Test	Ack
alarm1	alarm2	alarm3	alarm4	alarm33	alarm34	alarm35	alarm36			
AL1	AL2	AL3	AL4	AL33	AL34	AL35	AL36			
alarm5	alarm6	alarm7	alarm8	alarm37	alarm38	alarm39	alarm40			
AL5	AL6	AL7	AL8	AL37	AL38	AL39	AL40			
alarm9	alarm10	alarm11	alarm12	alarm41	alarm42	alarm43	alarm44			
AL9	AL10	AL11	AL12	AL41	AL42	AL43	AL44			
alarm13	alarm14	alarm15	alarm16	alarm45	alarm46	alarm47	alarm48			
AL13	AL14	AL15	AL16	AL45	AL46	AL47	AL48			
AL1-AL16				AL33-AL48						
alarm17	alarm18	alarm19	alarm20	alarm49	alarm50	alarm51	alarm52			
AL17	AL18	AL19	AL20	AL49	AL50	AL51	AL52			
alarm21	alarm22	alarm23	alarm24	alarm53	alarm54	alarm55	alarm56			
AL21	AL22	AL23	AL24	AL53	AL54	AL55	AL56			
alarm25	alarm26	alarm27	alarm28	alarm57	alarm58	alarm59	alarm60			
AL25	AL26	AL27	AL28	AL57	AL58	AL59	AL60			
alarm29	alarm30	alarm31	alarm32	alarm61	alarm62	alarm63	alarm64			
AL29	AL30	AL31	AL32	AL61	AL62	AL63	AL64			
AL17-AL32				AL49-AL64						

The Alarm Indicator features two types of display screens: a main screen showing all 64 alarms, and sub-screens displaying 16 alarms each (comprising four 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	2020-10-01 08:39:35								Test	Ack
alarm1	alarm2	alarm3	alarm4	alarm33	alarm34	alarm35	alarm36			
alarm5	alarm6	alarm7	alarm8	alarm37	alarm38	alarm39	alarm40			
alarm9	alarm10	alarm11	alarm12	alarm41	alarm42	alarm43	alarm44			
alarm13	alarm14	alarm15	alarm16	alarm45	alarm46	alarm47	alarm48			
AL1-AL16	AL33-AL48									
alarm17	alarm18	alarm19	alarm20	alarm49	alarm50	alarm51	alarm52			
alarm21	alarm22	alarm23	alarm24	alarm53	alarm54	alarm55	alarm56			
alarm25	alarm26	alarm27	alarm28	alarm57	alarm58	alarm59	alarm60			
alarm29	alarm30	alarm31	alarm32	alarm61	alarm62	alarm63	alarm64			
AL17-AL32	AL49-AL64									

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

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					

Main	Unlock	2020-09-30 08:33:09							
close v1 v2				Del	↩	英	中		
1	2	3	4	5	6	7	8	9	0
q	w	e	r	t	y	u	i	o	p
a	s	d	f	g	h	j	k	l	+/-
Shift	z	x	c	v	Space	b	n	m	.
alarm4									

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."

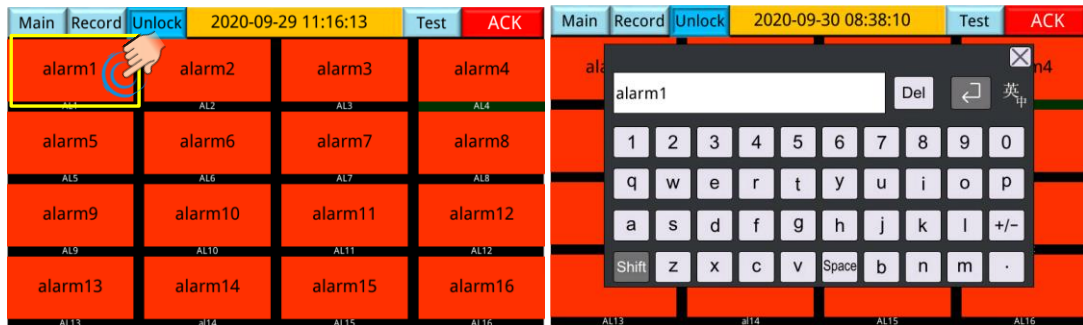
❖ Record

Record	2020-10-01 08:39:35								Test	Ack
alarm1	alarm2	alarm3	alarm4	alarm33	alarm34	alarm35	alarm36			
alarm5	alarm6	alarm7	alarm8	alarm37	alarm38	alarm39	alarm40			
alarm9	alarm10	alarm11	alarm12	alarm41	alarm42	alarm43	alarm44			
alarm13	alarm14	alarm15	alarm16	alarm45	alarm46	alarm47	alarm48			
AL1-AL16	AL33-AL48									
alarm17	alarm18	alarm19	alarm20	alarm49	alarm50	alarm51	alarm52			
alarm21	alarm22	alarm23	alarm24	alarm53	alarm54	alarm55	alarm56			
alarm25	alarm26	alarm27	alarm28	alarm57	alarm58	alarm59	alarm60			
alarm29	alarm30	alarm31	alarm32	alarm61	alarm62	alarm63	alarm64			
AL17-AL32	AL49-AL64									

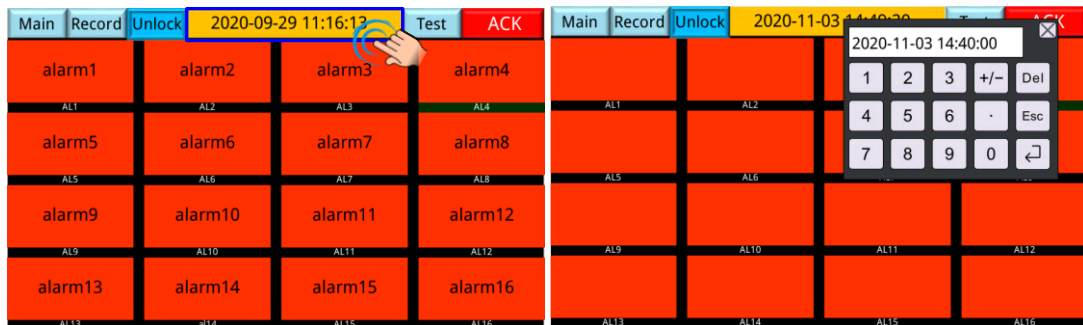
Main	Save	Clear	Alarm Record	AL1-16	AL17-32	AL33-48	AL49-64		
Event				Trig		Recover			
Alarm,19	2020-10-28 10:06:54		2020-10-28 10:06:54						Last
Alarm,17	2020-10-28 10:06:54		2020-10-28 10:06:54						First
Alarm,49	2020-10-28 10:06:53		2020-10-28 10:06:54						
Alarm,26	2020-10-28 10:06:36		2020-10-28 10:06:54						
Alarm,24	2020-10-28 10:06:36		2020-10-28 10:06:54						
Alarm,22	2020-10-28 10:06:36		2020-10-28 10:06:54						
Alarm,20	2020-10-28 10:06:36		2020-10-28 10:06:54						
Alarm,18	2020-10-28 10:06:36		2020-10-28 10:06:54						
Alarm,55	2020-10-28 10:06:35		2020-10-28 10:06:53						
Alarm,25	2020-10-28 10:06:35		2020-10-28 10:06:36						
Alarm,23	2020-10-28 10:06:35		2020-10-28 10:06:36						

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."