

Manual of type MYAU Alarm Annunciator Unit

1. General

Type MYAU Alarm Annunciator Unit (hereinafter referred to as MYAU) is a visible and audible alarm device. It is mainly applicable to monitor the transformer operation status and fault. MYAU adopts Light Emitting Diode; it is reliable with more function and lower power consumption. The indication content on each channel lamp can be customized and changed. Setting method is simple, it is the newly updated product based on common alarm indication system.

2. Functions and features

2.1 Alarm indication window is selectable by number of 26 or 36 channel inputs according to request.

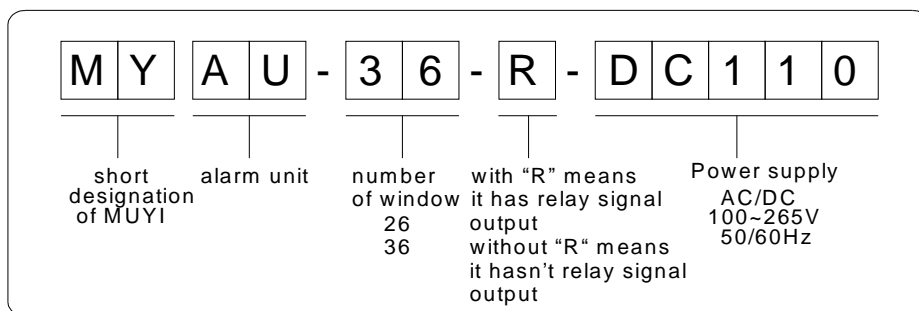
2.2 Each alarm indication lamp can be set normal light up or flash. (generally normal light up is for working status indication, and flash is for alarm indication).

2.3 Working status and parameter displays on LCD front panel.

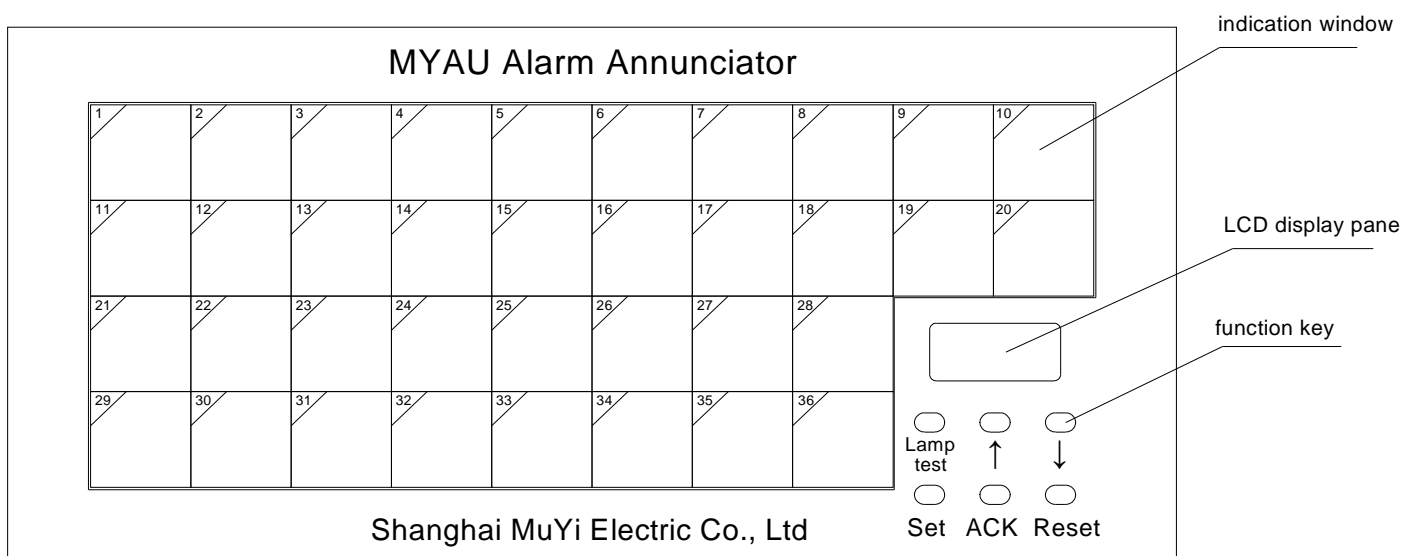
2.4 With lamp test key, it is convenient for lamp test.

2.5 With RS485 communication interface and Modbus protocol for remote control.

3. Type definition



4. Front panel



◆ Lamp test: Alarm indication lamp test

◆ Set: Function setting

◆ ↑: Up select

◆ ACK: Return

◆ ↓: Down select

◆ Reset: Alarm turn off

5. Indication and operation

5.1 Alarm window indication lamp

When a channel signal inputs, the indication lamp will light up or flash based on setting. The color and content of the indication lamp is according to the specification.

5.2 LCD display panel

LCD display panel is the HMI for data setting.

5.3 Lamp test key (Lamp test)

Press “Lamp test” key, normally all indication lamp will be light up, release the key, it is back to normal working status.

5.4 Up/Down select key (↑/↓)

They are for increasing or decreasing of data when setting parameter, and menu page turning when selecting of interface.

5.5 Set key (Set)

Press “Set” key for more than 8 seconds, it is entry to alarm unit programming interface, then it can set signal input form for indication lamp channel, signal time delay, and selecting of alarm buzzer relay output as well as reset method.

5.6 ACK key (ACK)

Applied for alarm status acknowledge, when alarm occurs press “ACK” key once, alarm relay output stops (alarm output relay is mainly used for connection of external buzzer), press “ACK” key again alarm relay output restores. If alarm indication lamp is set as flash alarm, when alarm occurs, press “ACK” key once, the alarm indication will be stopped flash and stay in light up status, press “ACK” key again, the indication lamp return to flash status.

5.7 Reset key (Reset)

On homepage press “Reset” key, alarm output relay reset, when press “Reset” key for 2 secs, indication lamp and relevant output signal relay resets (it is unable to reset if input signal is not be removed). On the submenu page, press “Reset” key to return to the previous menu.

5.8 Setting of alarm indication lamp function

On homepage press “Set” for 5 secs and entry to menu of function selecting, then press (↑/↓)key and select “warn set” to entry alarm indication lamp function setting interface which displays 8-digit, such as ‘01101010’, on this interface, press “set” key to select desired item, press (↑/↓) key for value change, press “ACK” key for acknowledge, press “lamp test” for set item switching, please refer to below table for the value definition:

display	First 2 digits	The third digit	The forth digit	The fifth digit	The sixth digit	The seventh digit	The eighth digit
explain	Indication Lamp series no.	Input signal type selecting	Input signal delay act	Alarm relay AR1,AR2 output selecting	Alarm relay AR1,AR2 output selecting	Signal relay R1~R36 output selecting	Signal relay output holding
Press "Set" key for 5s, entry to alarm set interface	01~36 corresponds to the first indicator to the 36th indicator	0 : without input signal (flashing) 1: with input signal (flashing) 2: switched off channel 3: with input signal (light up)	0: 10ms 1: 20ms 2: 100ms 3: 1s 4: 5s 5: 20s 6: 60s 7: 150s 8: 200s 9: 250s	0: be related AR1 relay output 1: be related AR2 relay output 2 : without alarm relay output	0: manual reset 1: auto reset	0 : switched off 1: switched on	0: without 1: with


Warning:

When MYAU Alarm Annunciator Unit mounted on control cabinet supplied by our company, the setting of MYAU Alarm Annunciator Unit has been completed at factory, it is forbidden to change the setting, and the user shall take responsibility due to unnecessary resetting.

6. Display menu

6.1. Display panel homepage displays information with 2 lines of text, the first line is MUYI which is our company name abbreviation, the second line is of alarm channel message, EVENT=NO presents no alarm event occurs currently, if there is alarm occurs, the display could be: E-01C-02, E-01 presents the sequence in which the alarm event occurred, C-02 is the channel no, E-01C-02 means first alarm occurred is in channel 02.

6.2 Event and status menu, on homepage press “↑” then it turns to the event and status menu, there are options of event, status and warnout on it.

Event option is the record of the sequence of channel alarm events, display message such as:

CH=01 presents alarm input channel no. 01, EVENT 01 presents current event sequence no. 01.

Remark: the sequence no. recorded by EVENT presents occurred alarm signal sequence.

Status option is used as display for setting status of every alarm indicator function, such as display message: CH01-L0 I0 R0 W0

CH01 presents channel 01, the 36 channels alarm channel number is from 01 to 36

L0: indicator off L1: indicator flash L2: indicator on

I0: without input I1: with input

R0: signal relay without output R1: signal relay with output

W0: alarm relay without output W1: alarm relay with output

Warnout option is applied to check 2 alarm relays output status. Display message such as: WarnR1=0, WarnR1 is alarm relay 1, WarnR2 is alarm relay 2, =0 is without alarm output, =1 is with alarm output.

6.3 Function setting menu, on homepage press “SET” for about 5sec then it turns to function setting menu. There are 4 setting items: COM SET, WARN SET, Led Num and LCDSLEEP.

COM SET is applied to set communication address, such as display message: -001-002 COM SET, -001 presents the communication address of communication channel 1 is 1, -002 presents the communication address of communication channel 2 is 2.

WARN SET is for setting of association status of each alarm indicator, please refer to clause 5.8 for setting details.

Led Num is used for selecting number of alarm window, 26 is to enable 26 channels, 36 is to enable 36 channels. The setting is completed at factory before delivery, no need to set “Led Num” by user.

LCDSLEEP is for display sleep time setting, “No Sleep” is meant display continue on, 1-300s is set time duration, after this duration the display sleeps and LCD backlight turns off if without press any key on alarm panel.

7. Alarm function test interface

Press keys “Reset” and “↑/↓” at same time, it turns alarm function test interface, the display example:

Test

L-1R-1

Remark:

L -1: Non-test mode

L -0: test mode, all channel indicators light on

L -1,2...36: associated channel indicators light on, other channels are off.

R W1: alarm relay 1 switched on, other relays switched off.

R W2: alarm relay 2 switched on, other relays switched off

R 1: signal relay 1 switched on, other relays switched off

R 2: signal relay 2 switched on, other relays switched off

...

R 36: signal relay 36 switched on, other relays switched off

8. External wiring

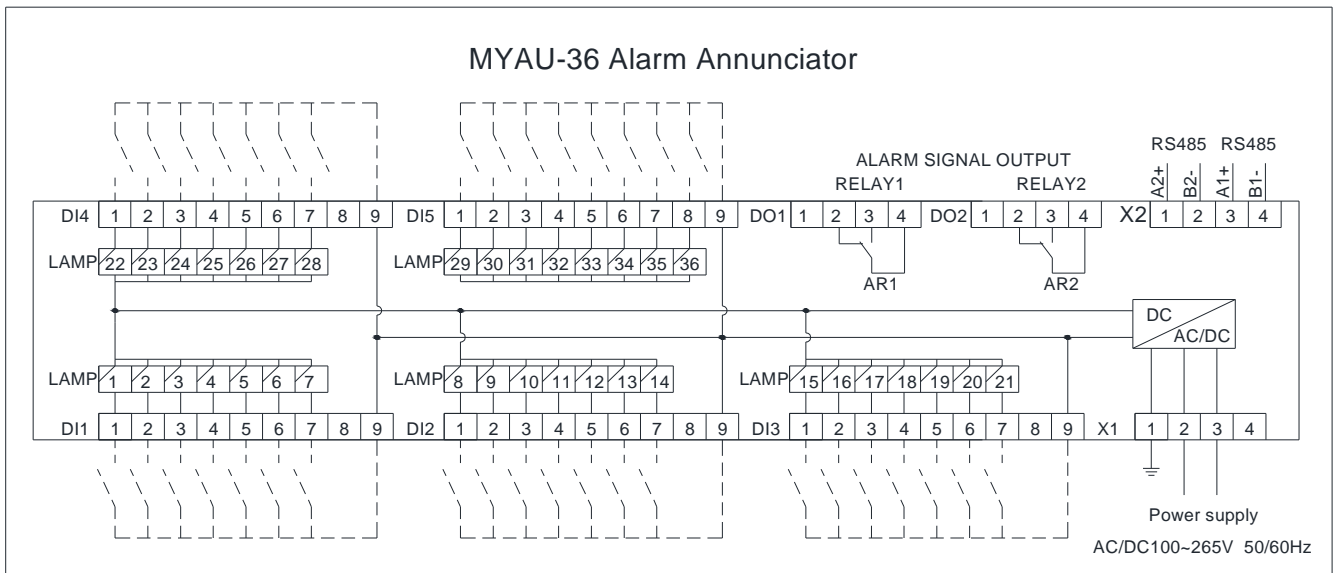
8.1 Power input

X1 terminal is for power supply, number 2 and 3 is for power input and number 1 is for grounding.

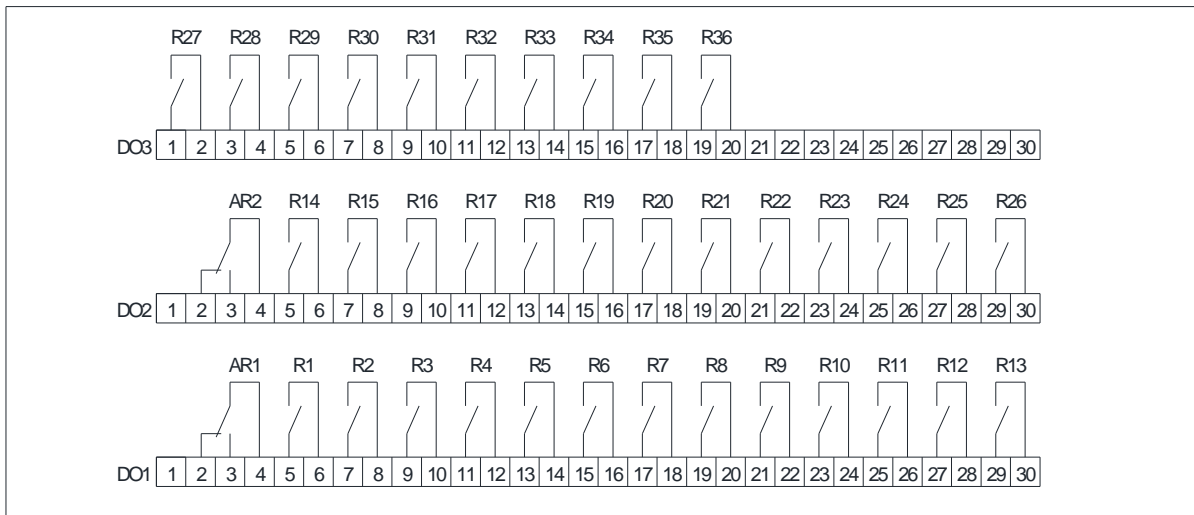
Power supply range: AC/DC 100~265V 50/60Hz

8.2 Channel signal input

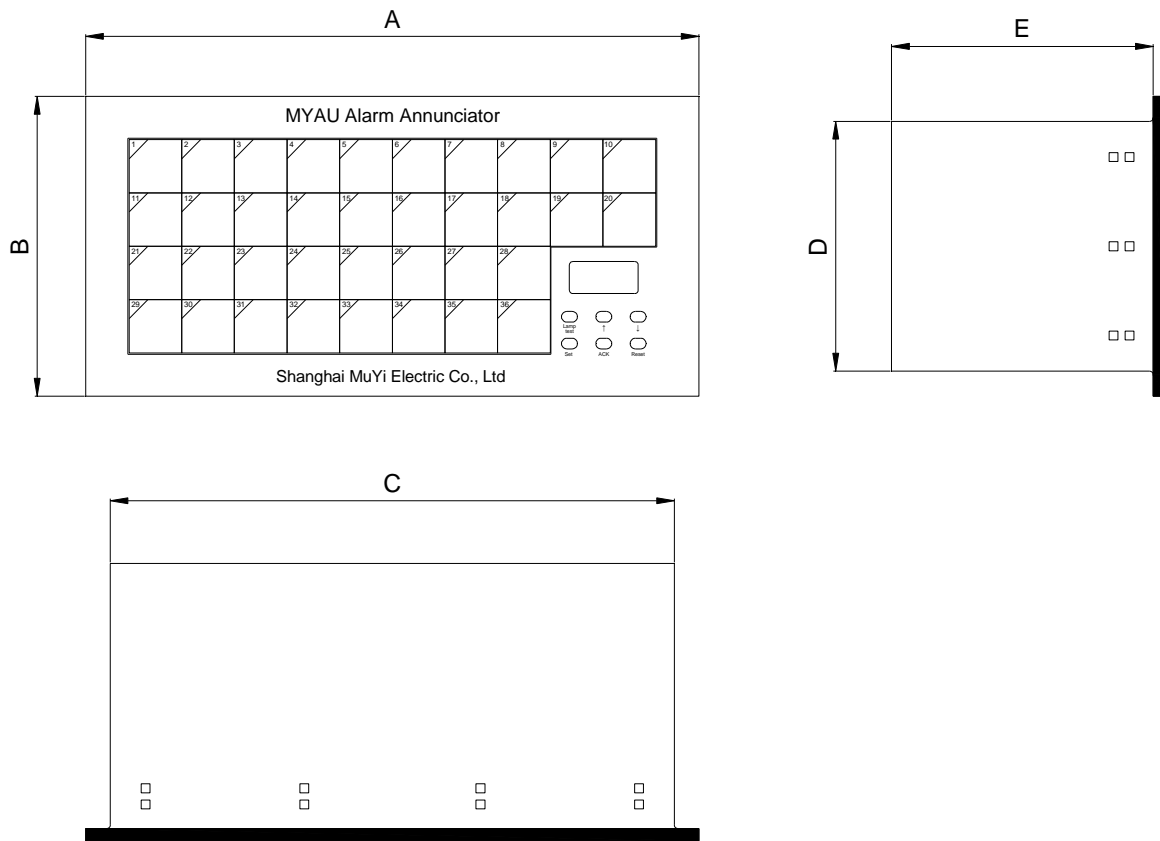
Adopting of dry contact type as the channel signal input, DI1~DI5 is the relevant terminal for it, please refer to below diagram for wiring:



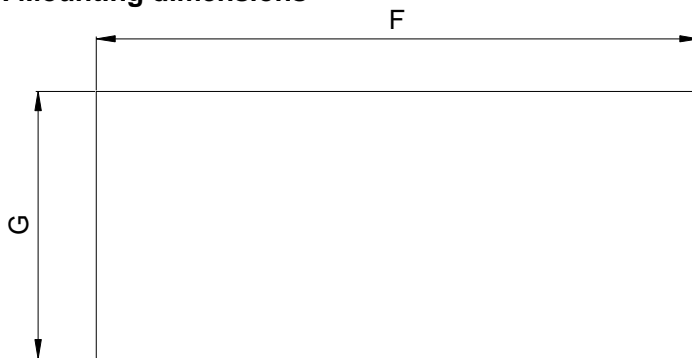
The alarm annunciator is divided into two types: with signal relay output and without signal relay output. For type of with signal relay output, the output terminals are D01~D03, the relay contact capacity is DC30V/5A, AC250V/5A, please refer to below for relay output terminal.



9. Overall dimensions



10. Mounting dimensions



Series	Size (unit: mm)						
	A	B	C	D	E	F	G
MYAU-26	348	140	320	114	120	322	116
MYAU-36	348	168	320	141	120	322	143