

DESCRIPTION

The IQ304 control panels are touch-sensitive, addressable fire detection panels, with up to 4 circuits for the IQ304, each supporting up to 324 addressable points, and are designed to meet the requirements of the EN54-2 & EN 54-4 standards for simple installation, ease of operation and easy maintenance.

FEATURES

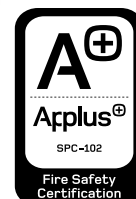
- EN54-2 & EN54-4 certified by Applus.
- 7.0 inch color touch-sensitive screen LCD, resolution of 800×480.
- 324 addresses for 1 loop, max 4 loops.
- A maximum of 5000 fire protection zones are supported.
- More user-friendly Night Mode Time Range Settings.
- Networkable: CAN bus for interconnection of up to 60 FACPs and Ethernet for up to 254 FACPs.
- Fire alarm, fault, C&E and operation, each category can store up to 10,000 records.
- Enclosure: Steel IP30

POWER SUPPLY

Mains Supply	110/230V AC (-15%, +10%), 50Hz/ 60Hz
Mains Fuse	T4A250V
Operating Voltage	28V ± 0.5VDC
Recommended mains cable	Standard/black mains cable, cable size 1mm ²
Power Rating	I _{max.a} =3.1A; I _{max.b} =5.55A; I _{min} =0.3A
Max. battery supply current	8A(when the Mains is disconnected)
Max. charging current	1A
Physical dimensions	440×400×180mm(2×12V/12Ah Battery)
Max. internal resistance of battery	1Ω
Approx. weight (without battery)	9Kg
Battery fuse	15A
Quiescent current (full loaded)	<0.3A

INPUTS

Class change (+, -)	Input voltage	Passive
	Max. output current	≤500Ω
	Cable diameter	1mm ² ~ 2.5mm ²



OUTPUTS

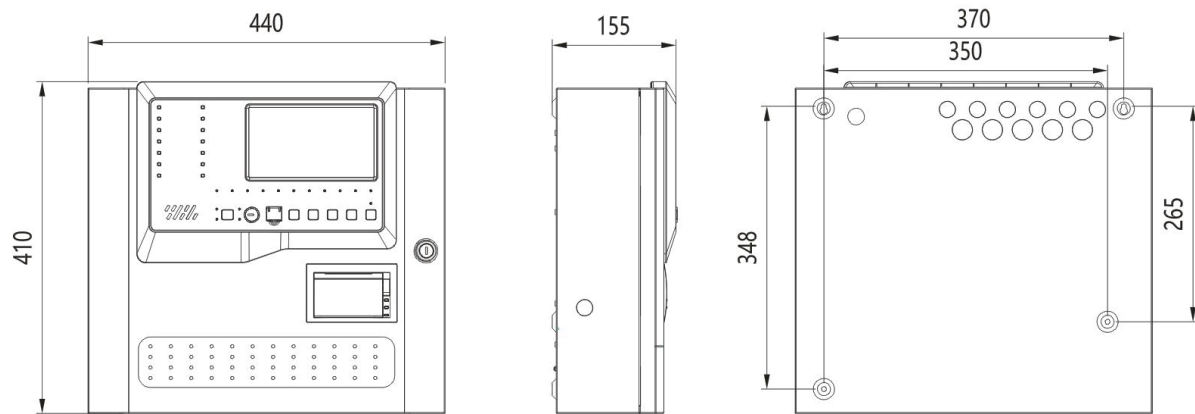
S.C. Out (+, -)	Output voltage	20~28VDC
	Max. output current	1A
	End of line resistor	10KΩ
	Cable diameter	1mm ² ~ 2.5mm ²
F.A. Out (+, -)	Output voltage	20~28VDC
	Max. output current	50mA
	End of line resistor	10KΩ
	Cable diameter	≤1500m
	Output voltage	1mm ² ~ 2.5mm ²
Fault Out (NC, COM, NO)	Contact voltage	2A@24VDC
	Cable diameter	1mm ² ~ 2.5mm ²
AUX 24V (+, -)	Output voltage	20~28VDC
	Max. output current	2A
	Cable diameter	1mm ² ~ 2.5mm ²

INTELLIGENT LOOP

Loop Out (+, -) Loop In (+, -)	Output voltage	18.5~28VDC, pulse
	Max. output current	0.5A
	Addressable devices	324
	Loop type	Class A and B
	Recommended Cable type	Unscreened twisted-pair, 1.5mm ²
	Transmission distance	≤2000m (Class A)

NETWORK COMMUNICATION

RS485	Transmission rate	9600 bps
	Transmission distance	≤1200m
	Cable diameter	1mm ² ~ 2.5mm ²
CAN	Max. numbers of panel	32
	Transmission rate	Optional: 10K, 20K, 50K and 100Kbps
	Transmission distance	≤1000m
	Cable diameter	1mm ² ~ 2.5mm ²



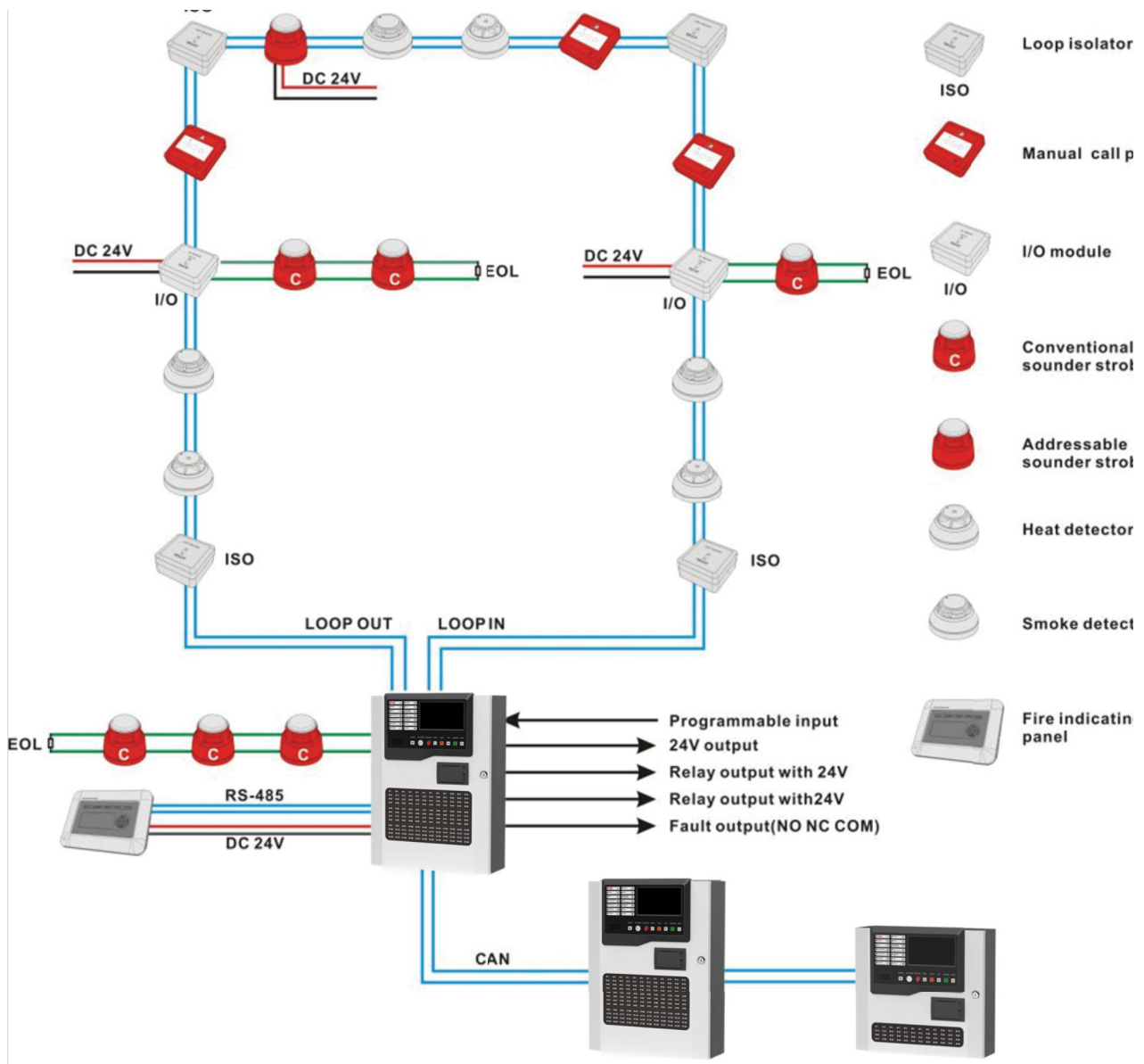
Panel Dimension

CONTROLS BUTTONS AND KEYS



Panel Diagram

TYPE	FUNCTION
LOGIN	Provides access to the prompt window for user' s login or logout
SILENCE	Controls the switching off and re-sounding of sounder equipment.
EVACUATE	Triggers the one-touch evacuation function.
RESET	System reset
MUTE	Eliminates the buzzer tone.
LEFT	Left arrow key.
CONFIRM	Short press to confirm key function. Long press ls and release, switch focus, equivalent to the tab key of a USB keyboard.
RIGHT	Right direction key
AUTHORIZE	Left, log out.
	Right, log in to 2 levels of authority.



Typical Loop Connection