



IQ Series Fire Alarm Control Panel and Modules

Certificate Number: **FM24US0144**

Company

Fireguard Global Ltd

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Annex

Detection, Fire Alarm and Signaling Equipment | Fire Alarm Control Panels | Local Protective Signaling, Fire

IQ600

Description of Equipment:

The Model IQ600 is a digital signal processor based addressable fire control system is fully configurable with password protection.

Firmware/Software version:

Product/Module Description	Model Designation	Firmware Version	Software Version
FireWatcher Control Panel	IQ600	V1.1.0.0_0.0.26	V1.1.0.0_0.0.20
ALU, Addressable Loop Unit	IQ600L	V1.0.0.0_47.33.0	N/A
NOU, Notification Output Unit	IQ600N	V1.0.0.0_0.8.0	N/A
ROU, Relay Output Unit	IQ600R	V1.0.0.0_0.0.0	N/A
XNU, External Network Unit	IQ600E	V1.0.0.0_0.1.0	N/A
Addressable Input Module to monitor a Single Contact	IQ611M	R1.1	N/A
Addressable supervised output module provides one 24VDC output and one feedback input switch	IQ611MO	R1.0	N/A
Isolator module isolates the short point on the signaling line circuit (SLC)	IQ611MI	N/A	N/A
Relay Module	IQ611MR	N/A	N/A

IQ600 supports:

- 4 Addressable Loop Circuits and 1,008 addressable devices/points
- 4 Notification Appliance Circuits
- 5 form C dry relay contacts.

The IQ600 has

- A 7" color LCD and a resolution of 800×480
- 6 auxiliary function keys
- 9 LED indicators for intuitive fire-alarm user interface.
- All panels/annunciators are intended to function as a single system and share events/controls of each other.

IQ600 Specifications:

Primary Supply	110 - 120 VAC 60Hz, 3.9A, or 220 - 240 VAC 50Hz, 2.0A
Secondary Power Supply	Two 12V in series lead-acid batteries Charging capacity: 40AH

FM Approvals

Power Outputs	Internal power supply for: 24VDC, See below for max. current, AMI, ALU's and Addressable Loop Circuits, 4 max., NOU's and Notification Appliance Circuits, 5 max., XNU's, External Network Circuits, 1 max., ROU's
	1 auxiliary power supply: Non-Resettable/Resettable (configurable) Power Output, Power limited, 24VDC, Output current: 0.5A in standby, 1.2A in alarm, Power Factor: 0.35, Special application Compatible Annunciator Models: FW121 /FW122W/FW122R/FW123
Relays Output	One programmable relay, 4 non-programmable status relays, Status: Alarm, Supervisory, Trouble, Monitor, Form C Contact, Contact Rating: 2A 30VDC, Power Factor: 0.35
Notification Appliance Circuits	10 circuits max., 8A max., 2A per NAC circuit, 2 Class A or 2 Class B circuits on each NOU, Alarm Voltage: 24V nominal, Bell code: Temporal 3, Panel supports one regulated 24 VDC NAC, or up to 10 special application 24VDC NAC, Max line loss: 1.8 V.
Network Circuit	Class B, Max. 110 panels and/or remote annunciators, Communications protocol: CAN, Max. line capacitance = 0.05 uF, Max. line resistance = 25 Ohm.
Addressable Loop Circuits	0.4A max. (short): Class A/ Class B, 252 max.: [combination] detectors and modules, Output voltage range: 20.2V - 26.2V, 100mA max. in standby, 220mA max. in alarm, Max. line capacitance = 0.1 µF Max. line resistance = 10 Ohm
Environmental	Operating temperature: 0 - 49°C (32 - 120°F) Relative humidity: Up to 93% @ 90°F (32°C) normal dry indoor environment only

System Assemblies

Model	Description	Quantity
IQ600L	ALU (Addressable Loop Unit)	1 - 4
IQ600N	NOU (Notification Output Unit)	1 - 5
IQ600R	ROU (Relay Output Unit)	0-1
IQ600E	XNU (External Network Unit)	0-1

FM Approvals

IQ611M	Addressable Input Module to monitor a Single Contact	0-1
IQ611MO	Addressable supervised output module provides one 24VDC output and one feedback input switch	0-1
IQ611MI	Isolator module isolates the short point on the signaling line circuit (SLC)	0-1
IQ611MR	Relay Module	0-1

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Details

Category	Local Protective Signaling, Fire
Class of Work	3010 - Fire Alarm Systems
Certification Type	FM Approved
Listing Country	United Kingdom
Certificate Number	FM24US0144

Detection, Fire Alarm and Signaling Equipment | Smoke Detectors | **Alarm Signal Initiating Devices, Smoke Detectors**

IQ651S

Detection, Fire Alarm and Signaling Equipment | Heat Detectors | **Alarm Signal Initiating Devices, Fire Detection, Heat-Actuated**

IQ651H