

IQ8Alarm

- **Completely bus supplied new generation alarm devices**
- **Distinct alarm perceptibility with a sound level of up to 99dB**
- **Cost-saving integration into the esserbus-PLus system**
- **Up to 32 alarm devices per esserbus-PLus**
- **Uniform load factor for easier project planning and installation**
- **Multilingual voice alarm function in 5 languages**
- **20 different international signal tones incl. DIN-tone available**
- **Simple and user-friendly programming via tools 8000**
- **Built-in isolator with each alarm device**



Alarm signalling: The first step towards evacuation

Currently, IQ8Alarm is the securest and most economic way of alarm signalling. With various country-specific alarm tones (e.g. DIN tone or the Dutch slow-woop tone), and the completely bus supplied optical alarm signalling with different voice messages in up to 5 languages, the IQ8Alarm with its outstanding features significantly outperforms state-of-the-art competitors within the fire alarm sector.

The device is directly installed at and connected to the esserbus-PLus (powered loop) system, making expensive external voltage supplies and connection modules dispensable.

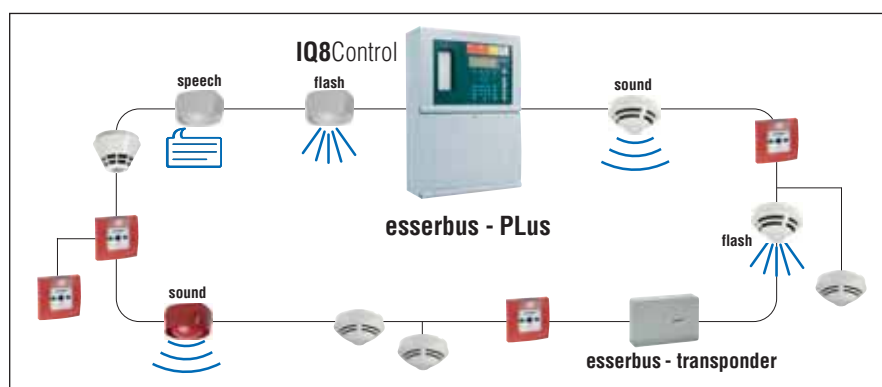
IQ8Alarm alone combines all features in a single housing.

With a range from simple alarm devices to combined voice alarm devices

Various types of IQ8Alarm device are available. Five product groups offer always the right solution for the desired application:

- Alarm Sounder
- Optical Alarm Signalling Device
- Voice Alarm Device
- Combined Acoustic and Optical Alarm Device
- Combined Acoustic and Optical Voice Alarm Device

Acoustic alarm sounders, voice alarm devices and combined acoustic/optical alarm devices are available in red or white. Each alarm device with voice alarm messages can also emit standard alarm signals, including country-specific alarm tones.



*IQ8Alarm connected to the esserbus-PLus at the FACP IQ8Control.
Operation with the FACP 8000 C/M is not possible.*






IQ8Alarm

More safety with voice alarm systems

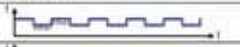


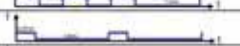




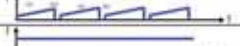

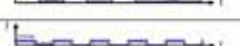
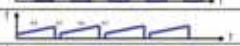
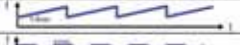

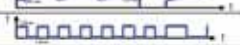
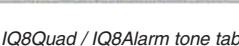



IQ8Alarm signalling devices with up to 5 different voice alarm messages and 20 different alarm tones guarantee the highest degree of safety and are currently the most cost-effective alarm signalling solution available.

Voice alarm messaging is far more effective than conventional alarm signalling via alarm sounders. While people do not immediately react to abstract alarm tones or optical alarm signals, they act immediately and appropriately on explicitly broadcast voice commands in cases of fire. With the alarm messages and evacuation messages provided, IQ8Alarm devices significantly contribute to reducing reaction times until evacuation is initiated. Thus, people's lives can be protected more effectively.

Multilingual alarm messages allow reliable alarm signalling to quickly direct and inform even international visitors to a building or international guests at public gatherings about evacuation procedures. Additionally, regional alarm signalling requirements are fulfilled by providing country-specific alarm tones such as the DIN tone, the USA horn, the French tone and also the Dutch slow-woop tone. IQ8Alarm devices ensure that everyone can be quickly informed, alerted and safely evacuated in case of emergency.

Country code acc. to ISO 3166-Alpha-2	Language code acc. to ISO 639-1	Evacuation 1	Evacuation 2	Alarm	Test-message	All-Clear
 Deutschland (DE)	de	Dies ist ein Feueralarm. Bitte verlassen Sie das Gebäude umgehend über die nächsten Fluchtwege. Die Feuerwehr ist alarmiert.	Achtung, Achtung! Dies ist eine Gefahrenmeldung. Bitte verlassen Sie das Gebäude über die nächsten Ausgänge.	Achtung, im Gebäude ist eine Gefahrensituation gemeldet worden. Bitte bleiben Sie ruhig, und warten Sie auf weitere Anweisungen.	Dies ist eine Testdurchsage.	Die Gefahrensituation ist jetzt behoben. Wir entschuldigen uns für jegliche Unannehmlichkeiten.
 England (GB)	en	This is a fire alarm. Please leave the building immediately by the nearest available exit.	Attention please. This is an emergency. Please leave the building by the nearest available exit.	An incident has been reported in the building. Please await further instructions.	This is a test message. No action is required.	The emergency is now cancelled. We apologise for any inconvenience.
 Frankreich (FR)	fr	Ceci est une alarme incendie, veuillez évacuer immédiatement les locaux par la sortie la plus proche.	Votre attention s'il vous plaît, ceci est une alarme. Veuillez évacuer les locaux par la sortie la plus proche.	Un incident est signalé dans le bâtiment. Merci de garder votre calme et attendez les prochaines instructions.	Ceci est un test.	L'alarme est à présent annulée. Veuillez nous excuser pour le désagrément.
 Spanien (ES)	es	Esto es una alarma de incendio. Abandonen por favor el edificio inmediatamente por la salida de evacuación más cercana.	Atención. Esto es una emergencia. Por favor abandonen el edificio por la salida de evacuación más cercana.	Atención, se ha reportado un incidente en el edificio. Aguarden por favor otras instrucciones.	Esto es un mensaje de prueba. No se requiere ninguna acción.	La emergencia ha sido cancelada. Pedimos disculpas por las molestias causadas.
 Italien (IT)	it	Attenzione. Allarme incendio. Abbandonare l'edificio tramite l'uscita di emergenza più vicina.	Attenzione. Allarme in corso. Vi preghiamo di recarvi presso l'uscita di emergenza più vicina.	Attenzione. E' stato rilevato un allarme. Ulteriori disposizioni vi verranno comunicate appena possibile.	Attenzione. E' in corso una prova di allarme. Non è richiesta alcuna azione.	Attenzione. Cessato allarme. La situazione di normalità è stata ripristinata.

Standard voice messages and languages of IQ8Quad / IQ8Alarm

No.	Description	Frequency	Pulse rate
1	School bell	complex	complex
2	FP 1063.1 Telecoms BS 5839 Pt1	Alternating 800 / 970 Hz at 2Hz	
3	BS 5839 Pt1	Alternating 800 / 970 Hz at 1Hz	
4	BS 5839 Pt1	Intermittent 970 Hz at 1Hz 0.5 sec.	
5	BS 5839 Pt1	Intermittent 2850 Hz at 1Hz 0.5 sec.	
6	BS 5839 Pt1	Intermittent 970 Hz 1/4 sec. on - 1 sec. off	
7	BS 5839 Pt1	Continuous 970Hz	
8	BS 5839 Pt1	Sweep tone 800Hz to 970Hz at 7Hz	
9	BS 5839 Pt1	Sweep tone 800Hz to 970Hz at 1Hz	
10	DIN Tone DIN 33404 Part 3	1200 - 500 Hz at 1Hz	
11	French fire sound	554Hz/100ms + 440Hz/400ms * 10 %	
12	NL - Slow Whoop	500Hz - 1200Hz at 3.5 sec. break of 0.5 sec.	
13	US - Horn	Continuous 485Hz	
14	US - Horn with Temporal Pattern	Intermittent 485 Hz (0.5 sec. ON; 0.5 sec. OFF; 3 times; 1.5 sec. OFF; Repeat)	
15	US - March Time	Intermittent 485 Hz (0.25 sec. ON; 0.25 sec. OFF; Repeat)	
16	US - Slow Whoop	Sweep tone 500 Hz to 1200 Hz (4.0 sec. ON; 0.5 sec. OFF; Repeat)	
17	US - Siren	Sweep tone 600 Hz to 1200 Hz (1.0 sec. ON; Repeat)	
18	US - Hi/Lo	Alternating 100 Hz / 800 Hz (0.25 sec. ON; Alternate; 0.25 sec. ON; Alternate; Repeat)	
19	US - NFPA Whoop	Sweep tone 422 Hz to 775 Hz (upwards sweep 0.85 sec.; 3 times; 1 sec. OFF; Repeat)	
20	IMO GA-Signal	Intermittent 800 Hz (1.0 sec. ON; 1.0 sec. OFF; 7 times; 2.0 sec. ON; 2.0 sec. OFF; Repeat)	

IQ8Quad / IQ8Alarm tone table

Direct powered loop supply for optical alarm signalling

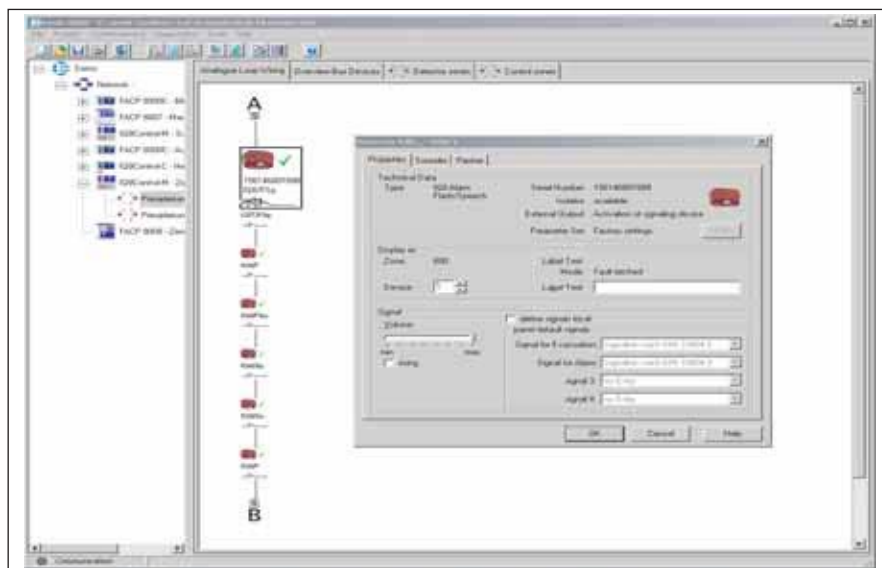
There is no conflict between requiring less alarm current and having more alarm devices connected to the esserbus-PLus (powered loop), since IQ8Alarm devices are completely bus supplied. Even high consumption flash lights receive their energy directly from the loop. Innovative technology allows optical alarm signalling with the light intensity of a 3W Xenon beacon in IQ8Alarm devices to be directly supplied by the esserbus-PLus (powered loop).

The following colours are available for optical alarm signalling devices:

- Optical alarm device with red cap
- Optical alarm device with amber cap
- Optical alarm device with white, blue, or green cap

Simple programming with IQ8Alarm

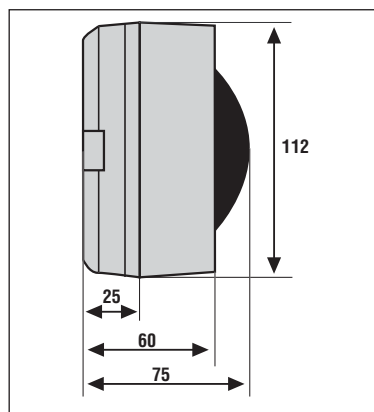
Each IQ8Alarm device can be programmed easily. Innovative IQ8 fire detectors with integrated alarm unit hold a unique position within their market segment and operate homogeneously on the same platform as the new IQ8Alarm devices. Thus, programming is easier and more flexible than it used to be. With the drop-down menu, individual signal options can be set. Event-controlled signal activation can be used for alarm signals, evacuation signals or emergency signals. In addition, a test message can be activated.



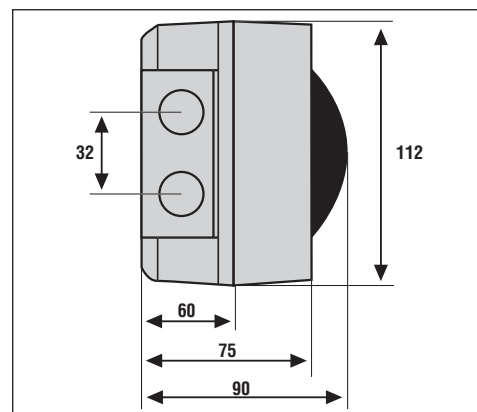
Programming via tools 8000

Signal models can be configured easily when using the drop-down menu. They can have up to four signal options. Therefore, signal models can be individually programmed by selecting, for instance, a country-specific alarm tone (e.g. DIN tone) as the start signal, followed by a voice message in German. Thus, the signal sequence can be chosen to suit the respective requirements.

All information required for programming IQ8Alarm devices can be obtained when attending our programming training courses.



Flat design / conventional base



Flat design / IP65 base

IQ8Alarm - elegant and conspicuously inconspicuous design

Harmonious integration of modern building technology in line with highest security standards is becoming evermore crucial these days. With its flat design and various combinable colour options, the IQ8Alarm device can be perfectly adapted to almost any environment. Thus, building technology need no longer be seen as an eyesore that does not fit in with the interior design in buildings.












Technical data

Type	Alarm Sounder	Speech Alarm Device	Combined Speech Alarm Device	Combined Alarm Sounder	Optical Alarm Device
Part No.	807205 807206	807322 807332	807372	807224	807212 807213 807214
Sound pressure @ 90° angle	DIN signal tone = typ. 97 dB(A) +/- 2 dB @ 1 m				--
Flash frequency	--	--	1 Hz		
Light intensity	--	--	max. 24 cd peak 3.87 cd effective		
VdS Approval	G 206001	G 206001	G 206003	G 206003	G 206002
Alarm signal specification	EN 54-3:2001	EN 54-3:2001	EN 54-3:2001	EN 54-3:2001	--

General technical data

Operating voltage	8 - 42 V (via esserbus-PLus)
Quiescent current @ 19 V	55 µA
Quiescent current @ FACP battery	300 µA
Load factor	3
Ambient temperature	-10 °C to +50 °C
Housing	ABS plastic
Dimensions (Ø x D)	112 x 75 mm (112 x 90 mm inkl. base IP 65)
Weight:	approx. 300 g
Type of protection	IP 30 (IP 65 with bases 8006201 and 806202)

Order information

	Part No.	
IQ8Alarm sounder - white	807205	
IQ8Alarm sounder - red	807206	
IQ8Alarm speech alarm - white	807322	
IQ8Alarm speech alarm - red	807332	
IQ8Alarm combined alarm signalling device - red	807224	
IQ8Alarm combined speech alarm - red	807372	
IQAlarm optical alarm signalling device white, cap amber	807212	
IQAlarm optical alarm signalling device white, cap transparent, blue, green	807213	
IQAlarm optical alarm signalling device red, cap red	807214	
Base IP 65 for IQ8Alarm, white	806201	
Base IP 65 for IQ8Alarm, red	806202	

For further order data please refer to our "Fire Alarm Technology" product line catalogue.