

Sparkling installations

Henkell & Co. fire and intrusion detection technology



Profile

Integrated systems ...

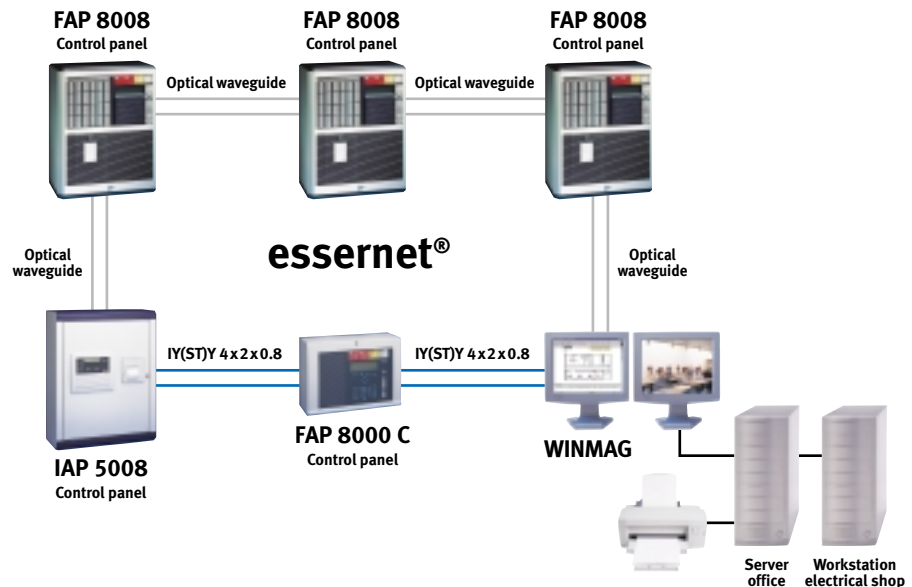


Sektkellerei Henkell & Co.

Protection is provided by comprehensive installations, consisting of one master control panel and five remote panels in the essernet® network. Multiple fire detection panels and one intrusion detection system are networked and connected to the multi-terminal WINMAG hazard management system. One WINMAG workstation is located in the porter's office and another one is located in the electrical shop, where the hazard management system is edited. On account of the vast premises, some control panels are networked with fibre-optic cables bridging greater distances than standard wiring techniques.

A world-renowned address

❖ Since 1907, Wiesbaden, Biebricher Allee 142, has been the home of sparkling wine production by Sektkellerei Henkell & Co. The production facilities of this famous and renowned sparkling wine producer of the trademark Henkell Dry are located in the cellars of this classical, time-honoured building. Besides the historical main building, the premises include various bottling plants, fermenting and storage cellars as well as office rooms. In brief: the environmental conditions require an extremely complex level of fire and intrusion detection. Embedded in the historical surroundings are cellars with high humidity as well as production rooms that are exposed to significant contamination. This increases the risk of false alarms being triggered and excludes the application of standard solutions. To guarantee safe and reliable protection for Henkell & Co., priority is given to fire and intrusion system networking.



The safety net: one essernet® with five control panels



Unobtrusive combination of tradition and modern technology

The protection of the historical entrance hall presents an enormous challenge, as security installations must not impair the aesthetic interior of the building. Professional installers from NTA Mainz were faced with the difficult task of balancing the need for proper fire and intrusion detection versus maintaining the aesthetic appearance of the building. This was achieved by installing aspirating smoke detection systems above the central glass dome to ensure minimal visual and structural impact. The system for the early detection of fires is not only suitable for installation in rooms with high ceilings but also meets the requirements of providing effective and unobtrusive fire protection.

... fire and intrusion detection systems



ARS 70: early detection of fires for different environmental conditions



WINMAG: easy and structured control from one central workstation

Selecting the right detection technology

The fermenting cellar is also protected by an ESSER aspirating smoke detection system. The functionality of standard smoke and heat detectors would be affected by humidity in this room, and the risk of false alarms would be increased. In terms of reliability and safety, the installation of an aspirating smoke detection system is the perfect solution.

All other rooms are provided with automatic detectors and manual call points to guarantee actuation in the event of a real alarm.

All information from both systems is transmitted to the WINMAG workstation in the porter's office. It is then structured and bundled by the user-friendly hazard management system, allowing all control panels to be controlled via a standard user interface. Even if the system is expanded by additional security systems, this function will remain.



Fire detection system 8000: unlimited scope of system solutions

Henkell & Co. building technology overview

- Fire detection system 8000
- Intrusion detection system 5008
- Networking: essernet® fibre-optic cables
- Series 9200 detectors
- ARS 70 aspirating smoke detection systems
- Fire brigade operating panel
- WINMAG

Your specialist:

Novar GmbH

Location Neuss:

D-41469 Neuss
Dieselstraße 2
Tel.: +49 (0)2137 171
Fax: +49 (0)2137 17286
Internet: www.novar.de · E-mail: info@novar.de

Location Albstadt:

D-72458 Albstadt
Johannes-Mauthe-Straße 14
Tel.: +49 (0)7431 8010
Fax: +49 (0)7431 8011220

Novar Austria GmbH

A-1100 Vienna
Fernkorngasse 10
Tel.: +43 (0)1 6006030
Fax: +43 (0)1 6006030900
Internet: www.novar.at
E-mail: austria@novar.com

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