



SICLIMAT™ X

SICLIMAT X, Hazard alarm system interface

ZLXGMA

The hazard alarm system (GMA) interface provides the link between the SICLIMAT X and SIGMASYS systems. In conjunction with SIGMASYS and the SIGMAPORT interface, this enables alarm and fault messages from hazard alarm systems to be displayed and processed in SICLIMAT X.

Use

SIGMASYS is an autonomous, networked hazard alarm system developed by Siemens Building Technologies. SIGMASYS handles a wide range of different types of hazard in one system, with a single interface for operation and information, covering fire protection, intruder protection, operational safety and process control.

The system identifies the source of a hazard, and can also automatically initiate measures to reduce damage or risk, and inform technical staff about the cause and location of the hazard. The microprocessor-controlled logic enables input signals to be interconnected both logically and on a time basis, so that even complex system responses can be implemented.

A SIGMASYS system can be connected via a **direct** serial interface of an X-OS system.

Three types of information are transmitted to SICLIMAT X:

- Message telegrams, which transmit data-point changes of state (e.g. fire or intruder alarms) to SIGMASYS;
- Command feedback messages, which provide feedback back on the operations that have been carried out via one of the operating units connected to SIGMASYS;
- Restart telegrams, bi-directional messages to inform the communication partner that a communications error or device fault has been cleared.

All messages sent via the hazard alarm system interface are displayed in SICLIMAT X via the normal route. The system also maintains its own hazard alarm message list, which displays the current status of all data points from the hazard alarm system at any given time. This message list is produced and displayed in a format which is typical for hazard alarm systems. By default it contains all active messages (acknowledged and unacknowledged) in chronological order. Both the definition of data points and their logical connection to the addresses specified in the SIGMASYS telegrams are supported in the engineering phase by the AS configuration package in SICLIMAT X. The receipt of an alarm from the hazard alarm system is indicated in the message window by a change in the color of the fire symbol to red.

For each hazard alarm message, a message form can also be displayed, with further message-specific information such as sensor data, type of sensor, text describing the required action, etc. The service text in the message forms is generated with the multi-purpose SICLIMAT X editor.

Each message can also display graphics in addition to the message form. The graphics highlight all data points in the area displayed, for which active messages are present. The graphics can be created with the plant graphics editor in SICLIMAT X.

Ordering

When ordering, please specify the quantity, product name and type code.

<i>Type</i>	<i>Order No.</i>	<i>Specification No.</i>
Software package	6FL4214-4NC36	12/27106
Hazard alarm system interface V3.1		

Technical data

	Type	Hazard alarm system (GMA) interface
System requirements	Software	Standard SICLIMAT X software, Version 3.1 or higher
	Hardware	Standard SICLIMAT X hardware 1 spare direct serial interface SIGMAPORT
	Connection	The SICLIMAT X system obtains its information about the hazard alarm data points by importing a data point list (DLI).