

FEATURES

- Access Control Unit information via Internet / Intranet
- Allows access to all nodes from a single point when control units are networked together
- Password Protected
- Event viewing
- Automatic email notification
- Modbus TCP/IP communication option

DESCRIPTION

The Intelligent Communications Module (ICM) is a device server that provides Internet access to the ARIES®-SLX and legacy ARIES® control units via Internet Explorer or Mozilla Firefox web browsers. It can be surface mounted up to 5 feet from the control unit or inside an optional red enclosure.

The ICM provides the following client services:

- Dial-up control-unit monitoring and status reporting
- Automatic event detection and reporting via e-mail
- Web-browser-based
 - Emulated display for the control unit
 - Access to items in the control unit's List Menu

The emulated display for the control unit is shown below:

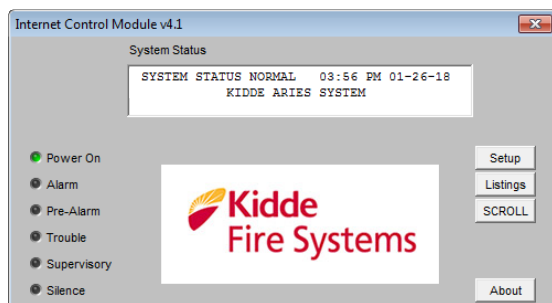


Figure 1. Emulated Control-Unit Display

Authorized users can view the system event history, status, and device properties. Viewing system information requires password-protected interaction with the control unit.

Note: No system control functions are permitted. The ICM is an ancillary device which can be used to obtain status information.

The ICM can be used to list the following information:

- Isolated SLC devices or control-unit-based outputs
- Event logs
- Detector sensitivities
- Active events
- EOC program
- SLC assignments



- SLC-device voltage levels
- Battery charge
- On-board-outputs configurations
- Remote display/control modules

Any or all of this data can be saved in standard ASCII text files that can be viewed with Windows Notepad, Word, and other applications.

The ICM connects to the Internet via an Ethernet jack. The Ethernet Local- or Wide- Area Network (LAN/WAN) can be a dedicated LAN/WAN or the user's existing LAN/WAN network. A typical application is shown in Figure 2.

E-MAIL OFF-PREMISES REPORTS

Users and service personnel can be alerted via e-mail when alarms, troubles, or supervisory events occur in a ARIES-SLX system using an ICM without overwhelming them with superfluous messages.

The ICM's off-premises-reporting system groups events into two broad categories – alarms and troubles/supervisorys. In addition, the system associates events with time intervals and sends only one e-mail per interval. Details about the system event that caused an off-premises report can be viewed in the ICM Listings screen. Each off-premises report contains a hyperlink that automatically communicates with the ICM and control unit that initiated the report.

EVENT SELECTION

You can select whether e-mail off-premises reports are sent for alarms, troubles/supervisorys, both, or neither. This selection applies to all e-mail recipients.

PRIORITY

Alarms have a higher priority than troubles/supervisorys. Subsequent alarm, trouble, and supervisory off-premises reports will not be sent within the guard interval described below if an alarm report has already been transmitted. However, an alarm notification will be sent and a new guard interval will be established if a trouble/supervisory report has been sent and a subsequent alarm occurs.

GUARD INTERVAL

The guard interval is the period of time during which no further off-premises reports of the same or lower priority are sent. The interval is a user selectable in 2-, 4-, 8-, or 24-hour periods. The guard interval starts when an off-premises report is sent. One of two conditions will exist at the end of the guard interval. Either all events have been cleared or events remain active. The system enters a state where it waits for the next event if all events have been cleared. The system sends a "reminder" report and extends the guard period by one guard interval if events are still active. This cycle occurs indefinitely until all events are cleared.

Only a single reminder is sent per guard interval even though there may be a mixture of alarms and troubles/supervisorys active. The reminder message will show the control unit that has an alarm or trouble/supervisory and will indicate that this is a reminder message. It will contain a hyperlink to the control unit's ICM where you can see detailed status information and event history.

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TROUBLE NOTIFICATION DELAY

The system waits 10 minutes before sending a off-premises report when a trouble or supervisory event is first detected. A report is sent, subject to the rules stated above, if the trouble/supervisory still exists at the end of this time. This prevents off-premises reports being sent as a result of maintenance operations and transient conditions.

E-MAIL TESTING

The e-mail off-premises-reporting feature can be tested on-line by clicking the Test button on the ICM's Software Setup screen. This sends a test e-mail to each recipient in order to verify correct operation of the e-mail server and routing to each recipient. The system can also be set to send a test e-mail periodically during normal operations in order to verify correct operation. The test interval is a user-selectable period of 1, 7, 30, 90, or 365 days.

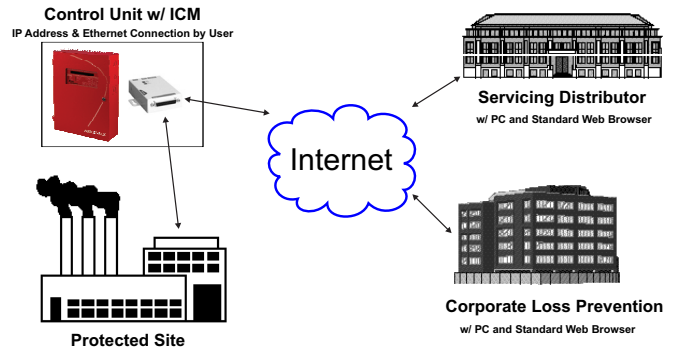


Figure 2. Typical ICM Applications

ORDERING INFORMATION

Part Number	Description
06-220080-002	ARIES®-SLX Intelligent Communications Module (ICM). For use with ARIES®-SLX and legacy ARIES® control units
76-600000-018	ICM Enclosure - Red

EXPORT INFORMATION (USA)

Jurisdiction: EAR

Classification: EAR99

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