ICM Device Server

Kidde Fire Systems
A UTC Fire & Security Company

For ARIES™ Internet Access

FEATURES

- **ARIES™ System Access via the Internet or an Intranet**
- **Supports Access via any Web Browser**
- **Standard Ethernet-over-IP Connection**

- **E-mail Notification of System Events**
- **Intuitive User Interface**
- **Built-in Password Protection**

DESCRIPTION

The Intelligent Communications Module (ICM) is a device server that provides Internet access to the ARIES™ Control Unit via any standard Web browser such as Internet Explorer or Netscape Navigator.

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

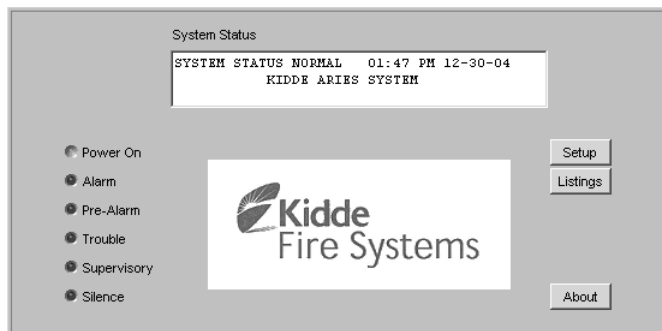The emulated display for the control unit is shown below:

Figure 1. Emulated Control-Unit Display

Authorized users can view the ARIES 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 and is not intended for primary reporting.

You can use the ICM 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

You can save any or all of this data in standard ACSII 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 as shown in Figure No. 2.

E-MAIL OFF-PREMISES REPORTS

You can alert users and service personnel via e-mail when alarms, troubles, or supervisory events occur in a ARIES 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/supervisories. 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.
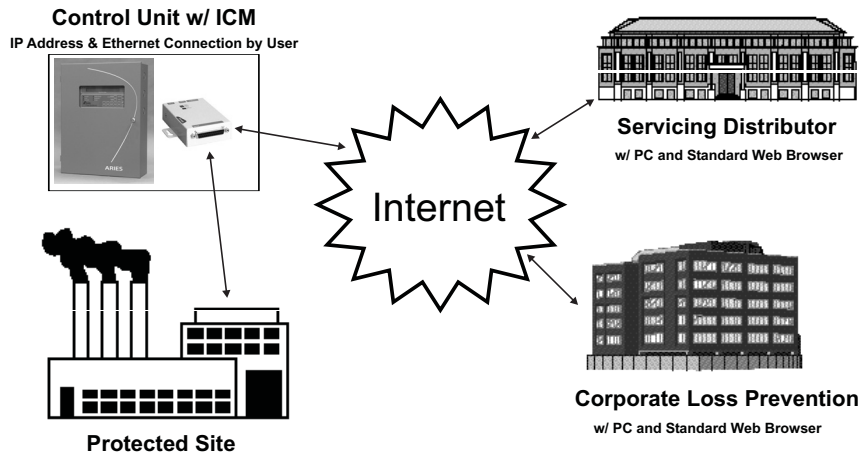
Figure 2. Typical ICM Applications

EVENT SELECTION

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

PRIORITY

Alarms have a higher priority than troubles/supervisories. 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/supervisories 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.

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.

ORDERING INFORMATION

Part Number	Description
06-220080-002	ICM Device Server

Kidde Fire Systems

A UTC Fire & Security Company

400 Main Street
Ashland, MA 01721
Ph: 508.881.2000
Fax: 508.881.8920
www.kiddefiresystems.com