



January 27, 2006

DF-52395 • A1-90

MS-9600 Rev. 2/DACT-UD Intelligent Addressable FACP with Optional 2nd Loop

Section: Addressable

GENERAL

The Fire•Lite MS-9600 is a compact, cost-effective, intelligent addressable fire alarm control panel with a capacity of 318 addressable Fire•Lite devices on one Signaling Line Circuit (SLC) or a total of 636 addressable points with an optional second loop (SLC-2). An optional modem (DACT-UD) is available for remote site upload/download and/or remote monitoring.

Each Signaling Line Circuit (SLC) loop supports up to 159 addressable detectors including photoelectric, photoelectric with heat, ionization, photoelectric duct, fixed heat, fixed heat with rate-of-rise, and fixed high-heat detectors. It also supports up to 159 addressable modules including monitor (two-wire detector, normally open devices), dual-monitor functions (two monitor circuits from one module, two addresses used), control (for Notification Appliance Circuits), and relay (two Form-C) modules. The panel uses surface-mount technology and is designed for ease of installation, programming, and maintenance. It features the latest in advanced fire protection technology, including maintenance alert and automatic detector test functions.

SPECIAL FEATURES:

- *Optional modem.*
- *Selectable strobe synchronization per NAC.*
- *Remote site upload/download.*
- *Four Class B or two Class A NAC circuits.*

FEATURES

SLC Loop:

- SLC can be configured for NFPA Style 4, 6, or 7 operation.
- SLC supports up to 318 addressable devices per loop (159 detectors and 159 monitor, control, or relay modules), including the **new** addressable dual-monitor module, heat detectors, and duct detector.
- SLC loop maximum length 10,000 ft. (3,048 m) @ 12 AWG (3.31 mm²). Requires twisted, shielded wire (3,000 ft./914.4 m untwisted, unshielded wire).

Notification Appliance Circuits (NACs):

- Four onboard NACs with additional NAC capability using output control modules (CMF-300 or CMF-300-6).
- Silence Inhibit and Auto Silence timer options.
- Continuous, March Time, Temporal or California code for main circuit board NACs with two-stage capability.
- Selectable strobe synchronization per NAC.

Advanced Fire Technology:

- Sensitivity testing with printable results, onsite or offsite.
- Automatic drift compensation.

Programming and Software:

- Autoprogram (learn mode) reduces installation time.



LISTED
S624



CS68
(except
DACT-UD)



APPROVED

MEA

72-01-E
341-03-E



California
State Fire
Marshal

7165-0075:191



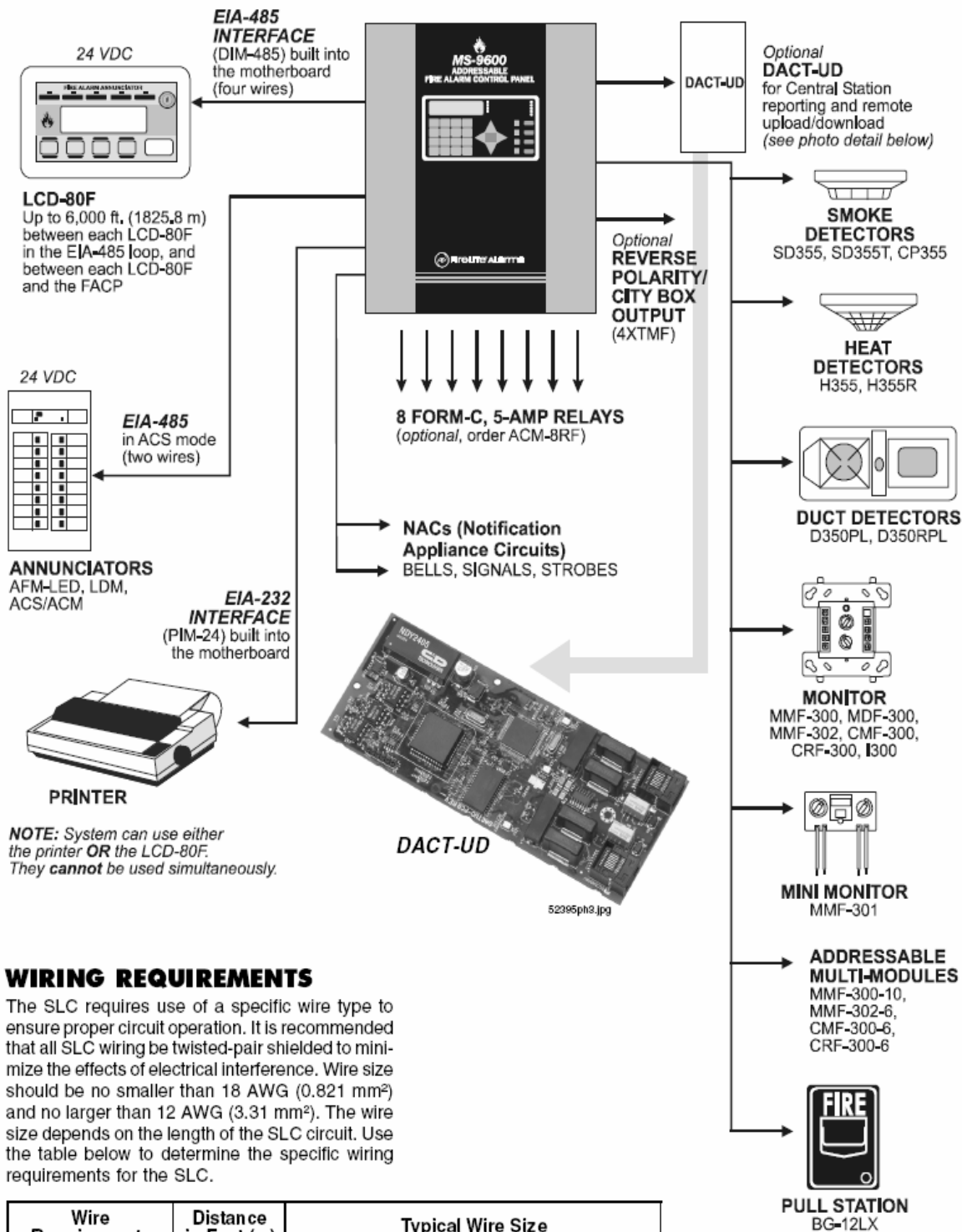
52109ph1.jpg

- Fully programmable from local keypad, local PS-2 keyboard or PC via PK-Plus Windows® utility.
- Remote site upload/download capability (with DACT-UD).
- Two-level user-programmable passwords.
- Custom English labels (per point) may be manually entered or selected from an internal library file.
- Two programmable Form-C relay outputs.
- 99 software zones.

User Interface:

- Optional modem (DACT-UD).
- Remote Acknowledge, Silence, Reset and Drill via addressable monitor modules, ACS Series annunciators or LCD-80F remote annunciator.
- EIA-232 printer/PC interface (variable baud rate) on main circuit board.
- Integral 80-character LCD display with backlighting.
- Real-time clock/calendar with automatic daylight savings adjustments.
- History file with 1,000-event capacity.
- EIA-485 supporting up to 32 ACS Series annunciators.
- EIA-485 supporting up to 32 LCD-80F annunciators.
- Maintenance alert warns when smoke detector dust accumulation is excessive.

www.asipro.com.mx



WIRING REQUIREMENTS

The SLC requires use of a specific wire type to ensure proper circuit operation. It is recommended that all SLC wiring be twisted-pair shielded to minimize the effects of electrical interference. Wire size should be no smaller than 18 AWG (0.821 mm²) and no larger than 12 AWG (3.31 mm²). The wire size depends on the length of the SLC circuit. Use the table below to determine the specific wiring requirements for the SLC.

Wire Requirements	Distance in Feet (m)	Typical Wire Size
Twisted-pair, shielded	10,000 feet (3,048 m)	12 AWG (3.31 mm ²): Belden 9583, Genesis 4410, Signal 98230, WPW D999.
Twisted-pair, shielded	8,000 feet (2,438 m)	14 AWG (2.08 mm ²): Belden 9581, Genesis 4408, Signal 98430, WPW D995.
Twisted-pair, shielded	4,875 feet (1,486 m)	16 AWG (1.31 mm ²): Belden 9575, Genesis 4406 and 4606, Signal 98630, WPW D991.
Twisted-pair, shielded	3,225 feet (983 m)	18 AWG (0.821 mm ²): Belden 9574, Genesis 4402 and 4602, Signal 98300, WPW D975.
Unwisted, unshielded	3,000 feet (915 m)	12 - 18 AWG (3.31 - 0.821 mm ²).

52395ph1.tbl

52395d1.wmf