



FIRE ALARM SYSTEMS

Helping People Take Action<sup>SM</sup>

# SAFEPATH<sup>®</sup> FACILITY COMMUNICATIONS EVACUATION SYSTEMS

## SAFEPATH<sup>®</sup> Systems, Modules, Batteries, Message Kits

<b>DCSP-4RP*</b>	40 Watt Packaged Dual-Circuit <b>SAFEPATH<sup>®</sup></b>
<b>DCSP-8RP*</b>	80 Watt Packaged Dual-Circuit <b>SAFEPATH<sup>®</sup></b>
<b>DCSP-15SP*</b>	Line Level Packaged Dual-Circuit <b>SAFEPATH<sup>®</sup></b>
<b>SAPE-1AR</b>	Multi-Circuit w/ DX-100 in red enclosure
<b>SAPE-2AR</b>	Multi-Circuit w/ DX-200 in red enclosure
<b>RSAPE-R</b>	Remote Multi-Circuit in red enclosure
<b>SAA-40S</b>	40 Watt Supervised Audio Amplifier, w/ 2 amps of Synchronized Strobe Power
<b>SAA-80S</b>	80 Watt Supervised Audio Amplifier, w/ 2 amps of Synchronized Strobe Power
<b>SALL-15S</b>	Line Level Supervised Audio Amplifier, w/ 2 amps of Synchronized Strobe Power
<b>AIM-3</b>	Auxiliary Input Module
<b>RMS</b>	Remote Microphone Station
<b>SPL</b>	Speaker Splitters
<b>NACIM</b>	Notification Appliance Circuit Interface Module
<b>PSC-2420</b>	20 A, 24 VDC Power Supply/Charger
<b>SERIES BAT</b>	Batteries and Cabinets
<b>Message Kits</b>	Standard, Common and Programmed

\*Only the first amplifier slot is populated.  
Second amplifier required for additional circuit.



- **Wheelock's Supervised Audio, Fire and Emergency Evacuation (SAFEPATH<sup>®</sup>) Systems are UL listed and ADA compliant as an emergency voice evacuation notification system**
- **SAFEPATH<sup>®</sup> can be used as a Personnel Alerting System.**
- **SAFEPATH<sup>®</sup> is OSHA 1910.165 compliant — does not require reliability inspections every two months or the required spare parts inventory**
- **SAFEPATH<sup>®</sup> can be used for general paging per NFPA 72**
- **SAFEPATH<sup>®</sup> is available as a packaged DUAL-CIRCUIT system or as an engineered MULTI-CIRCUIT system. All systems are fully expandable and can accommodate small to large voice evacuation requirements.**

### Description

Wheelock's Supervised Audio, Fire and Emergency Evacuation (**SAFEPATH<sup>®</sup>**) Systems combine state-of-the-art voice evacuation technology with integral notification appliance circuits (**NAC**) for visual alerting. Unique in concept, **SAFEPATH<sup>®</sup>** has the capability and means to deliver pre-recorded tones and/or announcements with live mic override from either the on-board MIC-400 or from Remote Microphone Stations (RMS) and combines on board 24VDC power for strobes with either 40 or 80 watts of supervised audio or supervised line level output. Additionally, an 8-tone tone generator is an integral part of the common control module and can be used as an inquiry or pre-announcement tone. Upon activation of **SAFEPATH<sup>®</sup>**, the supervised (**NAC**) circuit(s) follow the operation of the speaker (**NAC**) circuit(s). Designed for maximum flexibility, **SAFEPATH<sup>®</sup>** is available as a packaged; DUAL-CIRCUIT preconfigured system and in a MULTI-CIRCUIT custom system. All systems are modular and expandable.

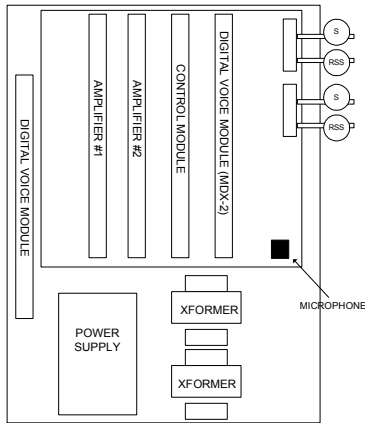
Depending upon the system configuration, up to 256 separate **NAC** speaker circuits can power either 25 or 70.7 volt (100 volt for the European Market) speakers utilizing 40 or 80 watt amplifier modules per circuit, or send line level audio through the Supervised Audio Line Level (SALL-15S) module to Wheelock's Series SA-S self-amplified speaker strobes or to supervisable external power amplifiers. Four discrete outputs (MULTI-CIRCUIT) or two discrete outputs (DUAL-CIRCUIT) indicates that pre-recorded messages can be broadcast over multiple zones simultaneously with mic override (all call) capability. **NAC** circuits are automatically activated when the associated audio output circuit is activated. All modules, inputs and outputs are supervised with on-board circuitry. All modules and circuits are monitored by status relays and LED's for remote trouble reporting.

### Features

- Approvals: UL Standard 864, New York City (MEA), California State Fire Marshal (CSFM), cUL, FCC Part 15, CE
- OSHA 1910.165 compliant
- ADA compliant
- 2 amps of 24 VDC synchronized strobe power per circuit is standard
- Supervised speaker and strobe circuits
- Digitally pre-recorded voice messages and/or tones can be automatically triggered
- Live mic override (from on-board) MIC-400 or optional remote microphone stations
- 8-tone tone generator built-in
- Different messages can be played simultaneously through 2 channels (DUAL-CIRCUIT) or 4 channels (MULTI-CIRCUIT)
- Activated via contact closure, open collector of a transistor, Notification Appliance Circuit via NACIM module. Multi-Circuit system also activated via RS-232 or RS-485 interface
- 3 year warranty
- Made in the USA

## Dual-Circuit Packaged **SAFEPATH**® Systems

Wheelock Dual-Circuit Packaged **SAFEPATH**® Systems are complete ready to install Supervised Audio, Fire and Emergency Evacuation Systems. The included components are configured for a basic system, which can be expanded with additional modules.



- Optional modules can be added for expansion or customization
- All models are wall mountable in red enclosures
- Made in the U.S.A
- 3 year warranty

## Dual-Circuit **SAFEPATH**®

### Packaged Models Include:

- DCSP-R: Dual-Circuit Module - Red Enclosure
- MDX-2: 2 Channel Digital Voice Output Module
- SMK: Standard Message Kit - (8 messages)
- MIC-400: Handheld Microphone
- DCPS: 6 Amp, 24V Power Supply / Charger
- Choice of 40 watt, 80 watt or Line Level Amplifier

### Models:

- DCSP-4RP** with 40 Watt Amplifier Module
- DCSP-8RP** with 80 Watt Amplifier Module
- DCSP-15SP** with Line Level Output Module

**Note 1** - External battery enclosure is required

**Note 2** - One amplifier is included, additional amplifier may be purchased separately

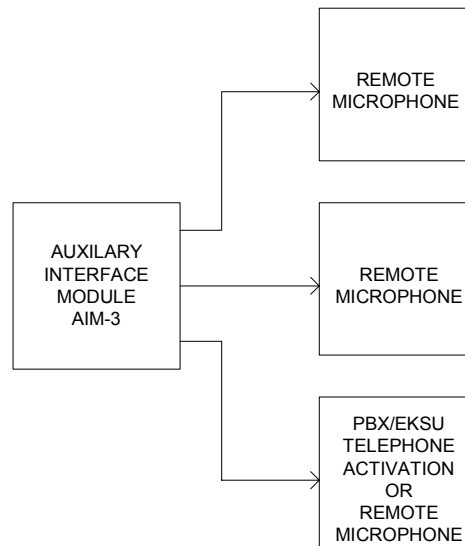
**Note 3** - If using strobe output and audio power exceeds 80 watts, consult with technical support for proper layout

## AIM-3 Auxiliary Input Module

The AIM-3 is an expansion module designed for use with all **SAFEPATH**® systems. It allows the number of Remote Microphone Stations to be expanded from one to three or allows the interface of telephone systems for paging (and allows two Remote Microphone Stations to be connected as well). This module is UL 864 approved and complies with FCC Part 15. When using the telephone interface option, it uses the lowest priority. If the **SAFEPATH**® is activated, the telephone connection is disconnected.



AIM-3



# SAFEPATH® BENEFITS and FEATURES

SAFEPATH® Benefits	Packaged SAFEPATH®	Multi-Circuit	
	Dual Circuit	w/ DX-100	w/ DX-200
<b>Warranty</b>			
3 Year Warranty	Y	Y	Y
Made in the USA	Y	Y	Y
<b>Strobe and Sync Capabilities</b>			
2 Amps of Synchronized Strobe Power Per Circuit @ 24 VDC	Y	Y	Y
Synchronized Strobe or non Synchronized Strobe Capability	Y	Y	Y
Maximum # of Strobe NAC Circuits in Control Unit	2	4	4
Maximum # of Strobe NAC Circuits with Master/Remote Configuration	32	64	64
<b>Supervised NAC Circuits</b>			
Supervised NAC Circuit	Y	Y	Y
Interface with Notification Appliance Circuit Interface Module (NACIM)	Y	Y	Y
# of Speaker NAC Circuits in Control Unit	2	4	4
# of Speaker NAC Circuits in Control Unit with a Splitter Module(s)	8	16	16
Maximum # of Speaker NAC Circuits in Master/Remote Configuration	128	256	256
OSHA 1910.165 Compliant; System Does Not Require Reliability Inspections every two months, or the Required Spare Parts Inventory. SAFEPATH saves the building owner costly inspection fees.	Y	Y	Y
<b>System Expandability</b>			
Interface with MZC-144 Zone Paging Equipment for OSHA Applications	Y	Y	Y
Can be the Central System for Security/Military Applications	Y	Y	Y
Ability to Expand to Either Three Remote Microphones or Interface with Telephone System for Paging and Two Remote Microphones with AIM-3 module	Y	Y	Y
Master/Remote Capabilities	Y	Y	Y
Remote Microphone Stations Available	Y	Y	Y
Additional/Different Wattage Amplifier Cards Easily Field Up-Graded	Y	Y	Y
Capable of Multiple Speaker Splitting, with Speaker Splitter Module	Y	Y	Y
Modular Design Allowing for Various Expansion Requirements, Including use in Fire, Emergency, Evacuation, Security, Military, Commercial, Industrial, OSHA, and General Paging Applications	Y	Y	Y
Available as a Pre-Engineered System	Y	N	N
Free Application Layout and Tech Support Available	Y	Y	Y
<b>Audio Capabilities</b>			
SafePath systems can be used for General Paging per NFPA 72, 1999, section 3-8.2.4	Y	Y	Y
Switch mode 40 or 80 watt amplifier modules	Y	Y	Y
Maximum Audio Power Available in Control Unit (in watts)	40 - 160	40 - 320	40 - 320
Maximum Audio Power in Master/Remote Configuration	2,560	5,120	5,120
Supervised Audio Line Level Output Connectability for Series SA-S Speaker/Strobes or for Connection to External Supervisable Power Amps, (may require SALL-15S module)	Y	Y	Y
Standard # of Output Channels or Speaker Zones in Control Unit	2	4	4
Maximum # of Output Channels or Speaker Zones in Master / Remote System (second # with optional splitters)	32, 128	64, 256	64, 256
Ability for a Paging Interface with Fire Priority Override	Y	Y	Y
70 volt or 25 volt Amplifiers Field Selectable	Y	Y	Y
International Capabilities (100 Volt Audio Amplifier Cards available)	Y	Y	Y
8 Built-In Tones: Horn, Bell, March Time Horn, Code-3 Horn, Code-3 Tone, Slow Whoop, Siren, Hi/Lo	Y	Y	Y

# SAFEPATH® BENEFITS and FEATURES

SAFEPATH® Benefits	Packaged SAFEPATH®	Multi-Circuit	
	Dual Circuit	w/ DX-100	w/ DX-200
<b>System Activation, Messages and Contact Capabilities</b>			
Activation via Contact Closure, Open Collector of a Transistor, NACIM	Y	Y	Y
Activation via RS-232/RS-485	N	Y	Y
Number of Standard Messages	8	8	8
Maximum Number of Message Contacts (hardwired)	8	256	256
Maximum # of Automatic Message Activation / Contacts via RS-232 / RS-485	N/A	999	999
Number of messages that can be played simultaneously	2	4	4
Standard Message Length (in minutes)	1	1	2
Message Length Expandable to: (in minutes)	2	8	16
In Field Message Record-able System	N	N	Y
Connection to Virtually any Fire Alarm Control Panel via Contact Closure, Open Collector of a Transistor or NAC Circuit Activation	Y	Y	Y
Hand-Held Microphone with Push to Talk Circuitry with Highest Priority	Y	Y	Y
<b>Dual Circuit Packaged SAFEPATH</b>			
DCSP-R Red Enclosure	Y	Dual Circuit Packaged SAFEPATH Systems are Complete Supervised Voice, Audio, Fire and Emergency Evacuation and Paging Systems. Included Components are Configured for a Basic System and can be Expanded with Additional Modules.	
MDX-2, Digital Voice Output Module	Y		
SMK, Standard Message Kit (8 Messages)	Y		
MIC-400, Handheld Push to Talk Microphone	Y		
6 Amp, 24V Power Supply/Charger	Y		
Available with 40 watt Supervised Audio Amplifier Module	DCSP-4RP		
Available with 80 watt Supervised Audio Amplifier Module	DCSP-8RP		
Available with Line Level Output Module	DCSP-15SP		
Shipped Complete in One Box	Y		
Optional Modules can be Added for Customization	Y		
<b>Power Supply and Battery Charger</b>			
Built in 24 VDC Power Supply and Battery Charger	Y	Y	Y
220 Volt Power Supply Available	Y	Y	Y
<b>Diagnostics</b>			
Fully Supervised On-Board Diagnostics & Trouble Reporting Circuits	Y	Y	Y
System Trouble Output Contact and Alarm Output Contact; Allows Remote Reporting of System Trouble or Alarm Activation	Y	Y	Y
Form C Contacts Provided for System Alarm and Trouble Conditions	Y	Y	Y
<b>Enclosure</b>			
Housed in a Wall Mountable Locking Steel Enclosure, Enclosure Color Red, Enclosure Size (H" x W" x D")	21 x 16 x 6	36 x 24 x 6	36 x 24 x 6
<b>Wiring</b>			
Terminals Accept 22 - 12 AWG	Y	Y	Y
Class B	Y	Y	Y
<b>Approvals and Compliance</b>			
Approvals: UL864, MEA, CSFM, cUL, FCC Part 15, CE	Y	Y	Y
OSHA 1910.165 Compliant	Y	Y	Y
ADA Compliant	Y	Y	Y

**Note: NEC table 11a of chapter 9 establishes Class 3 circuit rating for 70V audio amplifier outputs to be up to 150 amperes at 70 volts; this equates to 10,500 watts. SAFEPATH® audio amplifiers are line level, 40 watts or 80 watts; therefore SAFEPATH® audio amplifier circuits are inherently Power Limited Circuits. Dual-Circuit SAFEPATH® NAC circuits are inherently power-limited circuits. Multi-Circuit SAFEPATH® NAC circuits are non-power limited. (SAFEPATH® panels have not been UL listed for Power Limited Circuitry.)**

# SPECIFICATION & ORDERING INFORMATION

Model Number	Order Code	SAFEPATH® Description	Specifications
<b>Dual Circuit Packaged SAFEPATH® Systems</b>			
DCSP-4RP	8954	40 Watt Dual Circuit Packaged SAFEPATH®	See Page 2 for listed components
DCSP-8RP	8955	80 Watt Dual Circuit Packaged SAFEPATH®	
DCSP-15SP	8970	Line Level Output Dual Circuit Packaged SAFEPATH®	
<b>Multi Circuit SAFEPATH® Systems</b>			
SAPE-1AR	5443	Multi Circuit System with DX-100 Playback Module, Red	This pre-engineered SAFEPATH® system consists of all the required modules for operation except for the SAA amplifiers or SALL-15S pre-amplifier module and the associated OCK (Output Channel Kit(s)) and the necessary PMK or MEM-1
SAPE-2AR	5445	Multi Circuit System with DX-200 Record and Playback (field programmable) Module, Red	This pre-engineered SAFEPATH® system consists of all the required modules for operation except for the SAA amplifiers or SALL-15S pre-amplifier module and the associated OCK (Output Channel Kit(s)) and the necessary MEM-2
RSAPE-R	7365	Remote Multi Circuit SAFEPATH System, Red	This pre-engineered SAFEPATH® system consists of all the required modules for operation except for the SAA amplifiers or SALL-15S
<b>SAFEPATH® Amplifiers</b>			
SAA-40S	5493	40 Watt Supervised Audio Amplifier with 2 Amps of Supervised NAC Strobe Circuit Power Module	Amplifier Type: Switch Mode Input: 600 OHMS Rated Output @1KHz: 40 Watts or 80 Watts depending on module Output Voltages: 25 & 70.7 Volts (STANDARD) 100 Volts (E VERSION) Input Sensitivity: 1Vrms Signal-To-Noise Ratio (SNR): 72dB Frequency Response: 250 - 10KHz Operating Temperature: 0 - 49°C visual indicators report supervisory status
SAA-80S	5495	80 Watt Supervised Audio Amplifier with 2 Amps of Supervised NAC Strobe Circuit Power Module	
SAA-80SE	5496	80 Watt Supervised Audio Amplifier with 2 Amps of Supervised NAC Strobe Circuit Power Module (E = export version)	
SALL-15S	5497	Supervised Audio Line Level Output Module	Amplifier Type: Pre-amplifier, line level Input: 600 OHMS Rated Output @1KHz: 500mVrms Output Voltages: 15 OHMS Input Sensitivity: 1Vrms Signal-To-Noise Ratio (SNR): 75dB Frequency Response: 200 - 20KHz Supply Current @24VDC: 85mA - Standby 135mA - Alarm (FULL LOAD) Operating Temperature: 0 - 49°C visual indicators report supervisory status
<b>Expansion Modules</b>			
AIM-3	7387	Auxiliary Input Module for Telephone System Interface & Multiple Remote Microphones	Input Voltage: 24 VDC Input Current: 100mA Telephone Page 60mA RM Page 40mA Standby Dimensions: 13"H x 7.6"W x 2.15"D Enclosure: 0.050" Steel Finish: Black Mounting: Indoor Surface Mount Top and Bottom Wiring Entry
NACIM	5498	Notification Appliance Circuit Interface Module	Input Voltage: 8-32 VDC Supply Current: @24VDC: 8mA Dimensions: 1.5"H x 2.5" W
SPL	7369	Dual or Multi Circuit Speaker Circuit Splitter (4-way)	Input Voltage: 20.4-26.6 VDC Supply Current @24VDC: 40mA - Standby 190mA - Alarm Audio Input Levels: 100Vrms Max. Maximum Power In: 80 Watts total, 20 Watts per zone Maximum Power Out: 80 Watts Total Dimensions: 3"H x 6"W

## SPECIFICATION & ORDERING INFORMATION

Model Number	Order Code	SAFEPATH® Description	Specifications
<b>Remote Microphone Stations</b>			
RMS-3B	7374	Dual Circuit Remote Microphone Station, black	Input Voltage: 20-28 VDC Supply Current @24 VDC: 100mA Output: 600 OHMS Frequency Range: 250-6000 Hz Audio Output Levels: 1Vrms Max. Dimensions: 5"H x 9"W x .5"D, Weight: 1lb., 8oz. Wiring: 3 Twisted Pairs, #22AWG up to 1000' Mounting: 4 Gang surface or flush backbox (Mounting backbox is by others)
RMS-3R	7375	Dual Circuit Remote Microphone Station, red	
RMS-1R	5473	Multi Circuit Remote Microphone Station, red	
RMS-1B	5474	Multi Circuit Remote Microphone Station, black	
<b>Power Supply/Chargers</b>			
PSC-2420-R	7377	Power Supply/Charger, red, external	Power Supply Portion: Input Voltage: 102-132 VAC Rated Voltage: 20.8 amps @24VDC Supply Current (Full Load) @ 120 VAC: 6.4 amps Charger Circuit Portion: DC Supply Circuit @24VDC, Bulk Rate Charge: 3.7 amps Fast Rate Charge @VBAT = 26VDC: 2.6 amps Overcharge Voltage: 28.9VDC Overcharge Termination Current: 468MA Float State Voltage: 20VDC Charge Enable Voltage: 20VDC Battery Type: Lead Acid Starved Electrolyte Maximum Battery Capacity: 72AH Power Distribution: number of Outputs: 8 Fuse Rating: 3.5 amps Power Capacity: 20.8 amps Size: 21"H x 16"W x 6"D, Weight: 26lbs., 6 oz.
<b>Batteries and Battery Cabinets</b>			
BATC-B	5413	Steel, Lockable Battery Cabinet, Black	Dimensions: 9.5"H x 24"W x 9"D Weight: 20lbs. (empty) Lock: Keyed like the SAFEPATH® Control Panel
BATC-R	5414	Steel, Lockable Battery Cabinet, Red	
BAT-1212	7390	12 Volt 12 Ampere Hour Battery	Dimensions: 4"H x 6"W x 4"D Weight: 20lbs., 6oz.
BAT-1224	7391	12 Volt 24 Ampere Hour Battery	Dimensions: 5"H x 7"W x 7"D Weight: 19lbs., 12oz.
BAT-1265	7392	12 Volt 65 Ampere Hour Battery	Dimensions: 7"H x 14"W x 7"D Weight: 50lbs., 5oz.
<b>Message Kits</b>			
SMK	5082	Standard Message Kit (8 most common messages)	See Pages 8 & 9
SMK-OSHA	8191	Standard Message Kit for OSHA Applications - 8 Messages	
SMK-SP	8144	Spanish Standard Message Kit	
SMK-ENGSP	8148	English / Spanish Standard Message Kit	
CMK	8193	Common Message Kit consisting of choice of any 3 messages from library of 25 commonly used messages as listed on form PMKOF	
PMK	5056	Factory Programmed Message Kit	
AM-SMK	7599	After Market Standard Message Kit (8 most common messages)	
AM-SMK-OSHA	8192	After Market Standard Message Kit for OSHA Applications - 8 Messages	
AM-SMK-SP	8117	After Market Spanish Standard Message Kit	
AM-SMK-ENGSP	8149	After Market English/Spanish Standard Message Kit	
AM-CMK	8194	After Market Common Message Kit consisting of choice of any 3 messages from library of 25 commonly used messages as listed on form PMKOF	
AM-PMK	5062	After Market factory Programmed Message Kit	
AM-MDV-PMK	5089	After Market factory Programmed Message Kit for Dual Packaged Systems	
MDV-PMK	5099	Programmed Message Kit for Dual Packaged Systems	
<b>Additional Memory</b>			
MEM-1	5054	1 Minute of EPROM Memory (2 megs)	Additional Memory
MEM-2	5055	2 Minutes of SRAM Memory (4 megs)	
AM-MEM-1	5060	After Market 1 Minute of EPROM Memory (2 megs)	
AM-MEM-2	5061	After Market 2 Minutes of SRAM Memory (4 megs)	



## SPECIFICATION & ORDERING INFORMATION

Model Number	Order Code	SAFEPATH® Description	Specifications
<b>Multi-Circuit Output Channel Kits</b>			
OCK	5057	Output Channel Kit for DX-100 or DX-200 Maximum number of 4 Channels per System	IC's - 1st Channel included with System. Additional OCK's are required for 2nd, 3rd and 4th Channels.
AM-OCK	5063	After Market Output Channel Kit for DX-100 or DX-200 Maximum number of 4 Channels per System	
<b>System Boards/Components</b>			
MIC-400	5166	Hand held Push-To-Talk (PTT) Microphone	Frequency Response: 250-6000Hz Impedance: 600 OHMS Sensitivity: -74dB ± 3dB Dimensions: 4"H x 2.5"W x 1.5"D
DCMB	7372	Dual Circuit Mother Board	Interlinks all the functions of the Dual Circuit System
SAMB-A	5486	Multi-Circuit Mother Board	Interlinks all the functions of the Multi-Circuit System
MDX-2	5094	Modular Digital Voice Module for Dual Circuit	Please refer to Data Sheet V#1000 for additional information (MDX-2 is <b>VoiceLink</b> MDV-2)
AM-MDV-OCM	5097	Output Channel Module for MDX-2	
DX-100	5433	Multi-Circuit <b>VoiceLink</b> Digital Voice Module (Playback only)	Please refer to Data Sheet V#1000 for additional information on the DV-100
DX-200	5434	Multi-Circuit <b>VoiceLink</b> Digital Voice Module (Record/Playback fully field programmable)	Please refer to Data Sheet V#1000 for additional information on the DV-200
LLIM	7366	Lone Level Interface Module, used to interface the master <b>SAFEPATH®</b> Control with any and all remote <b>SAFEPATH®</b> panels	Input Voltage: 20.4-26.6 VDC Supply Current @24VDC: 25mA Audio Input Level: 5Vrms Audio Output Level: 1Vrms Audio Input Impedence: 600OHMS
DCDC	7373	Dual Circuit Disarrangement Control (Common Control Module)	Supply Current: 75mA - Standby; 130mA - Alarm
DCPS	7378	Dual Circuit Power Supply (Internal)	Input Voltage: 102-132VDC Supply Current : 2.13 Amps Output: 6.0 amps @24 VDC continuous Battery Charger Size: 12AH Supervision: Low battery and no battery Weight: 8lbs., 6oz.
SADC	5485	Multi-Circuit Disarrangement Control (Common Control Module)	Input Voltage: 20-28VDC Supply Current : 75mA - Standby 130mA - Alarm
SAPS	5409	Multi-Circuit Power Supply Module	Input Voltage: 102-132VAC Rated Output: 20.8 amps @24VDC Supply Current (full load) @120VAC: 6.4amps
SAPS-X	5489	UL Recognized Component Power Supply Module	
SABC	5410	Multi-Circuit Battery Charger Module	AC Supply Voltage: 120VAC DC Supply Voltage Range: 20.4-26.4VDC DC Supply Current @24VDC, Bulk Rate Charge: 3.7amps Fast Charge Current @Vbat=6VDC: 2.6amps Overcharge Voltage: 28.9VDC
SABC-X	5490	UL Recognized Component Battery Charger Module	Overcharge Termination Current: 469MA Float State Voltage: 27.3VDC Charge Enable Voltage: 20VDC Battery Type: Lead Acid Starved Electrolyte Maximum Battery Capacity: 72AH
BAT	5069	Spare Battery Pack for DX-200 Memory Retention	BAT can Retain Memory for up to 21 Days

## **SMK and AM-SMK Standard Messages in Standard Message Kit**

<b>Message #</b>	<b>Message Script</b>
1	(3 rounds of code 3 horn) "May I have your attention please! A fire emergency has been reported in the building. While this is being verified, please leave the building by the nearest exit. Do not use the elevators."
2	(5 seconds of 1kHz tone) "May I have your attention please! A fire emergency has been reported in the building. While this is being verified, please stand by for further instructions."
3	(3 rounds of code 3 horn) "May I have your attention please! A fire emergency has been reported in the building. Please leave the building by the nearest exit or exit stairway. Do not use the elevators."
4	(3 rounds of code 3 horn) "May I have your attention please! An emergency has been reported in the building. While this is being verified, please leave the building and report to the designated assembly area for your group."
5	(5 seconds of 1kHz tone) "May I have your attention please! The National Weather Service has issued a severe weather warning for our area."
6	(5 seconds of 1kHz tone) "This is an audio system test."
7	(5 seconds of 1kHz tone) "May I have your attention please! The building emergency has ended. An all clear has been given. Please resume normal activities."
8	(3 rounds of code 3 horn) "May I have your attention please! A fire emergency has been reported in the building. While this is being verified, please leave the building by the nearest exit."

## **SMK-OSHA and AM-SMK-OSHA Standard Messages in OSHA Applications Message Kit**

<b>Message # and Type</b>	<b>Message Script</b>
1 <b>Fire Emergency</b>	(1 round code 3 temporal) Attention, Attention, a fire emergency has been reported. Please leave the building using the nearest exit.
2 <b>Medical Emergency</b>	(5 seconds slow whoop) May I have your attention, a medical emergency has been reported, all EMT personnel report to your assigned stations.
3 <b>Toxic Chemical Release</b>	(5 seconds fast whoop) Attention, Attention. A toxic chemical release has been reported, all personnel are to report to their designated emergency areas and await further instructions.
4 <b>Tornado Warning</b>	(5 seconds 1,000Hz steady tone) The National Weather Service has issued a tornado alert for this area, further information will be broadcasted as it becomes available.
5 <b>Flood Watch</b>	(5 second wail) A flash flood watch has been issued by the local weather service, further information will be broadcasted as it becomes available.
6 <b>All Clear</b>	(5 second chime) The building emergency has now ended, please resume your normal duties. Thank you for your cooperation.
7 <b>Bomb Threat</b>	(5 second hi-low) Attention, Attention, a bomb threat alert has been issued for this building, all personnel are to evacuate immediately using the nearest exit. Further instructions will be issued outside the building by emergency response teams.
8 <b>Terrorist Threat</b>	(5 seconds fast whoop) May I have your attention please, a terrorist threat has been received. Effective immediately we are operating "secure and lockdown procedures". All personnel should remain calm and stay where you are. Emergency response teams are active within the building. Please await further instructions.



## Commonly Used Messages Selection Form

Commonly Used Messages Used with CMK, AM-CMK, PMK, AM-PMK and MDV-PMK

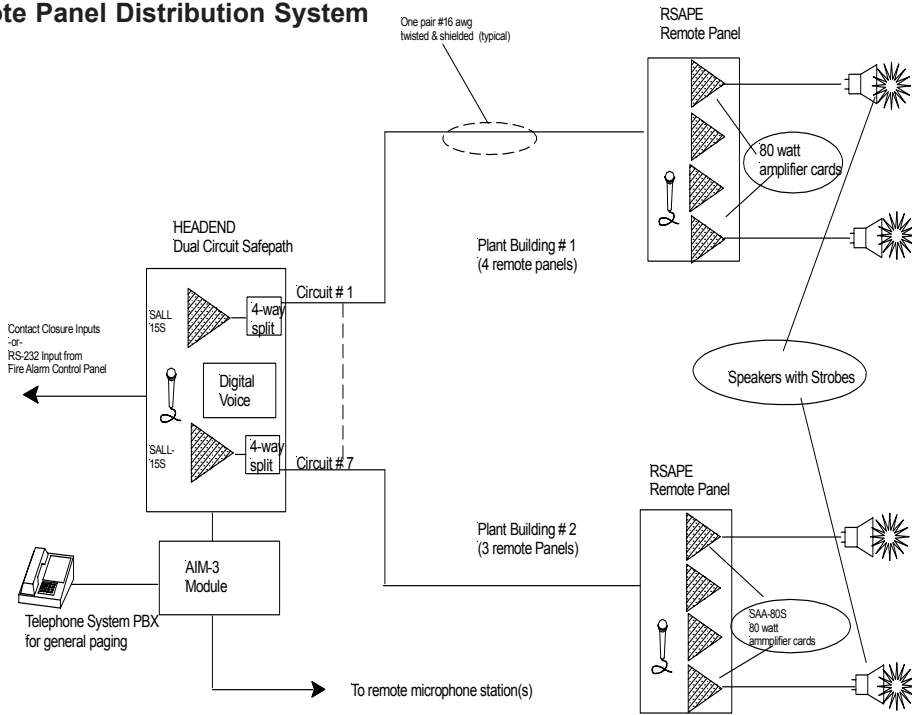
MESSAGE#	MESSAGE CONTENT
1	May I have your attention please! A fire emergency has been reported in the building. While this is being verified, please leave the building by the nearest exit. Do not use the elevators.
2	May I have your attention please! An emergency has been reported in the building. While this is being verified, please leave the building by the nearest exit. Do not use the elevators.
3	May I have your attention please! An emergency has been reported in the building. While this is being verified, please leave the building by the nearest exit.
4	May I have your attention please! A fire emergency has been reported in the building. While this is being verified, please stand by for further instructions.
5	May I have your attention please! An emergency has been reported in the building. While this is being verified, please stand by for further instructions.
6	May I have your attention please! May I have your attention please! A fire emergency has been reported in the building. While this is being verified, please leave the building by the nearest exit or exit stairway. Do not use the elevators.
7	May I have your attention. May I have your attention please! A fire emergency has been reported in the building. While this is being verified, please leave the building by the nearest exit or exit stairway. Do not use the elevators.
8	May I have your attention please. A fire alarm has been reported in the building. While this is being verified, please leave the building by the nearest exit.
9	May I have your attention please. A fire emergency has been reported in the building. While this is being verified, please leave the building by the nearest exit.
10	May I have your attention please. This is a fire alarm. Please leave the building immediately.
11	May I have your attention please! An emergency has been reported in the building. While this is being verified, please leave the building and report to the designated assembly area for your group.
12	Attention. The signal you have just heard indicates a report of an emergency in this building. Walk to the nearest exit and leave this building.
13	Your attention please, your attention please. There has been a fire alarm initiated in this building. The fire department has been notified and they are on their way. Please remain calm and exit the building.
14	Attention. An emergency situation exists in this building. Please evacuate this building immediately.
15	Attention please. Attention please. The fire alarm in this building has been activated. Cease all operations. Proceed immediately to the nearest fire exit or exit stairway and leave the building. Do not use the elevators.
16	There is a fire emergency in the building. Evacuate the building using the nearest exit.
17	May I have your attention please. The building emergency has ended. An all clear has been given. Please resume normal activities.
18	Attention. Attention. The fire life safety system has activated indicating a possible fire condition. Please proceed to exits and evacuate the building.
19	This is an audio system test.
20	Your attention please. Your attention please. This is a test of the fire alarm system. Repeat, this is only a test.
21	May I have your attention please. This is an evacuation drill. Please follow your evacuation procedures and exit the building.
22	May I have your attention please. The National Weather Service has issued a severe weather warning for our area.
23	May I have your attention please. There is a Tornado warning for our area. Please proceed to the tornado safe area. Stand clear of all windows and unsecured objects.
24	Your attention please. The fire emergency has been investigated. It is now clear to resume normal activities.
25	May I have your attention please. The severe weather warning is over. Please resume normal activities.

Note 1: In addition to these messages there are a variety of tones that can be included with the messages either before or as a separate file. They include: Horn, Bell, March Time Horn, Code-3 Horn, Code-3 Tone, Slow Whoop, Siren, Hi / Lo. In addition any tone provided by the customer via standard cassette tape may be used.

Note 2: All messages are available in both Male or Female voice. Male voice will be assumed unless otherwise specified.

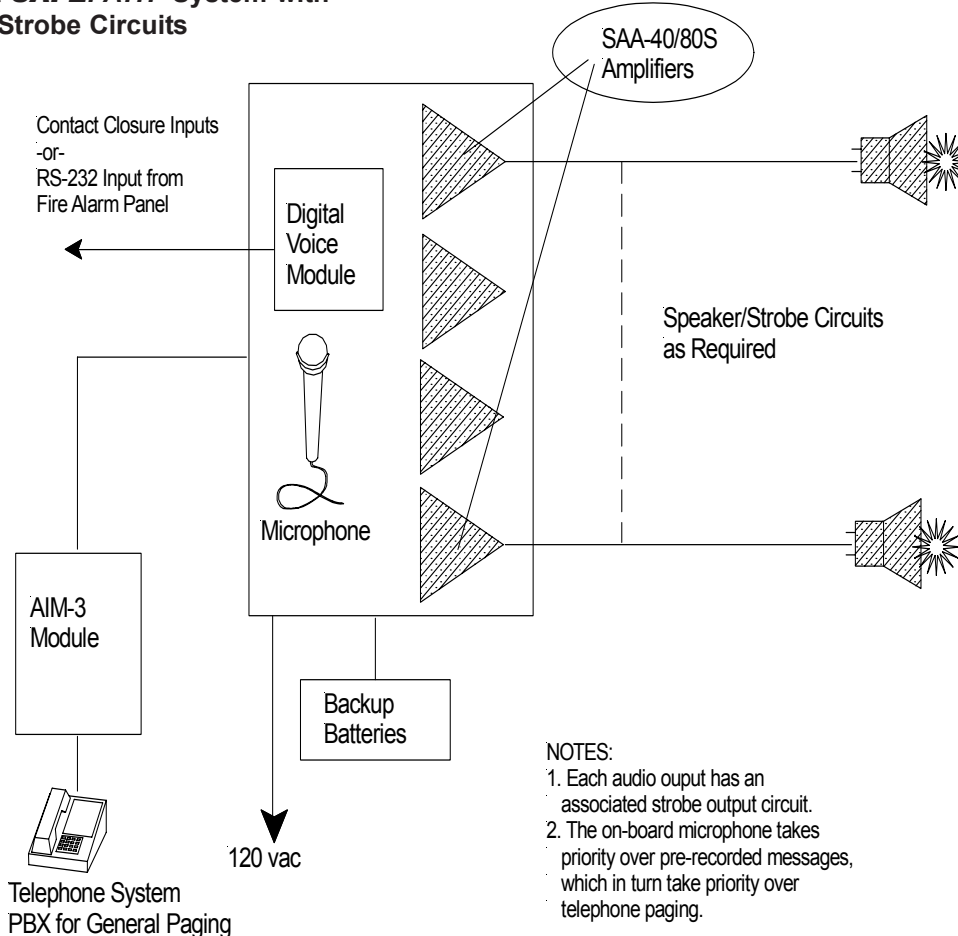
# SAFEPATH® SAMPLE CONFIGURATION DRAWINGS

## Dual-Circuit SAFEPATH® Headend with Multiple Remote Panel Distribution System



- NOTES:
1. Speaker wiring to be #14 awg, twisted pair
  2. All speaker circuits terminate with 10K ohm end of line resistor
  3. All panels are powered by 120VAC with battery backup (not shown)
  4. Strobe booster supplies are triggered from the FACP (not shown)

## Multi-Circuit SAFEPATH® System with (4) Speaker/Strobe Circuits



- NOTES:
1. Each audio output has an associated strobe output circuit.
  2. The on-board microphone takes priority over pre-recorded messages, which in turn take priority over telephone paging.

## Architects and Engineers Specifications

### DUAL-CIRCUIT SYSTEM

The system shall be a Wheelock Supervised Audio, Fire and Emergency Evacuation System or approved equal. The system shall be a dual channel voice evacuation system incorporating user selectability of 8 distinct sounds for tone signaling, and the incorporation of a **VoiceLink MDX-2 (MDV-2)** module for prerecorded messaging. The system shall incorporate microphone override. The system shall have the capability of utilizing a remote microphone station with redundant controls of the evacuation system control panel. Two Notification Appliance Circuits (**NAC**) shall be provided for the activation of strobe appliances. The activation of the **NAC** Circuits shall follow the operation of the speaker **NAC** circuits. Audio output is determined by selecting the pre-engineered package with the supplied module for line level (600 ohms), 25, 70.7 or 100 volt output. The audio outputs shall provide either 40 or 80 watts RMS output or Line Level SALL-15S module. The speaker **NAC** Circuits shall have the capability of being "split" into no more than 4 individual speaker **NAC** circuits by utilizing the 4-way splitter (SPL). The strobe **NAC** Circuits shall have the ability to control up to 2 amps of 24 VDC power each and have the ability of synchronization or non-synchronization. A hand held microphone shall be provided and, upon activation, shall take priority over any tone signal, recorded message or remote microphone operation in progress, while maintaining the strobe **NAC** Circuits activation. The system shall have the capability of being powered from the internal 6 amp 24 VDC power supply/battery charger module or from an external 20.8 amp 24 VDC power supply (PSC-2420-R). All outputs and operational modules shall be fully supervised with on-board diagnostics and trouble reporting circuits. Form C contacts shall be provided for system alarm and trouble conditions. A 100mA 24 VDC circuit shall be provided for operation of an auxiliary appliance during trouble conditions. The system shall be enclosed in a steel locking enclosure, painted red. The system shall have a weight of 60 lbs. and its' dimensions shall be 21"H x 16"W x 6"D and be made in the USA. The system shall have a 3 YEAR WARRANTY. The approvals for this system shall be: UL Standard 864, ULC, MEA, CSFM & FCC Part 15. The Dual-Circuit System shall be capable of operating in a Master - Remote configuration utilizing the standard Dual-Circuit System equipped with (SPL) speaker splitter module and (SALL-15S) Line-Level Output Modules. Line-Level Modules shall be connected to up to 8 Remote Pre-Engineered Systems through the Line-Level Interface Module (LLIM). The Master - Remote configuration of the Dual-Circuit System shall have the capability of supporting 128 Speaker **NAC** Circuits and 8 Strobe Appliance **NAC** Circuits.

### DUAL-CIRCUIT REMOTE MICROPHONE STATION (RMS-3B/R)

The Remote Microphone station shall be a Wheelock RMS-3B/R or approved equal. The unit shall be compatible with any Wheelock Dual-Circuit Supervised Audio, Fire and Emergency Evacuation System. The unit shall incorporate a Push-To-Talk (PTT) microphone, redundant controls and system status indicators of/for the system. The unit shall incorporate microphone override of any tone generation or Wheelock product for prerecorded messages. The unit shall be fully supervised from the control panel. The unit shall be made of steel and be flush mounted to a standard 4-gang electrical box. The unit shall come equipped with a keyed lock that, when activated allows the use of the unit. The locking arrangement shall be identical to the control unit. The unit shall be painted either black or red. The unit shall have a weight of 1 Lb., 8 oz. and its' dimensions shall be 5"H x 9"W x .5"D. The unit shall be made in the USA and have a 3 YEAR WARRANTY. The approvals for this unit shall be: UL Standard 864, ULC, MEA, CSFM & FCC Part 15.

### AIM-3 Auxiliary Input Module (Data Sheet #V3900)

The unit shall be a Wheelock AIM-3 or approved equal. It shall be designed to be an outboard expansion module to either expand the number of optional remote microphone stations from 1 to 3, or allow a telephone interface and up to 2 remote microphones. The unit shall be designed to interface with Wheelock **SAFE***PATH*® panels. The unit shall require input voltage of 24 VDC. The housing shall be black metal with knockouts for conduit; shall be designed for panel/wall mount installation, and the dimensions shall be 13.00" H x 7.64" W x 2.12" D. Weight shall be 3.8 lbs. The AIM-3 is approved under UL Standard 864, MEA, CSFM, cUL, FCC Part 15 and CE. The unit shall comply with OSHA 1910.165.

# Architects and Engineers Specifications

## MULTI-CIRCUIT SYSTEM

The system shall be a Wheelock Supervised Audio, Fire and Emergency Evacuation System or approved equal. The system shall be capable of providing 4 channels of voice evacuation incorporating user select ability of 8 distinct sounds for tone signaling, and the incorporation of either DX-100 (DV-100) playback only module or the DX-200 (DV-200) record/playback (field programmable) module for prerecorded messaging. The system shall incorporate microphone override. The system shall have the capability of utilizing a remote microphone station with redundant controls of the evacuation system control panel. One to Four Notification Appliance Circuits (**NAC**) shall be provided for the activation of strobe appliances. The activation of the **NAC** Circuits shall follow the operation of the speaker **NAC** circuits. Audio output shall be selectable by the insertion of the specific module(s) for line level (600 ohms), 25, 70.7 or 100-volt output. The audio outputs shall provide either Line Level (600 Ohms), 40 or 80 watts RMS output. The speaker **NAC** Circuits shall have the capability of being "split" into no more than 4 individual speaker **NAC** circuits by utilizing the 4-way splitter (SPL) for a total of 16 available Speaker **NAC** Circuits within each system. One to four strobe **NAC** Circuits shall have the ability to control up to 2 amps of 24 VDC power each and have the capability of synchronization or non-synchronization. A hand held microphone shall be provided and, upon activation, shall take priority over any tone signal, recorded message or remote microphone operation in progress, while maintaining the strobe **NAC** Circuits activation. The system shall be powered from approved AC (building) electrical circuits. All inputs, outputs and operational modules shall be fully supervised with on-board diagnostics and trouble reporting circuits. Form C contacts shall be provided for system alarm and trouble conditions. A 100mA 24 VDC circuit shall be provided for operation of an auxiliary appliance during trouble conditions. The system shall be enclosed in a steel locking enclosure, painted either black or red. The system shall have a weight of (less amplification modules) 57 lbs. and its' dimensions shall be 36.0"H x 24"W x 6"D. The system shall be made in the USA and have a 3 YEAR WARRANTY. The approvals for this system shall be: UL Standard 864 & 1459, ULC, MEA, CSFM & FCC Parts 15 & 68. The Multi-Circuit System shall be capable of operating in a Master - Remote configuration utilizing the standard Multi-Circuit System equipped with SPL (speaker splitter module) and (SALL-15S) Line-Level Output Modules. Line-Level Modules shall be connected to up to 16 Remote Pre-Engineered Systems through the Line-Level Interface Module (LLIM). The Master - Remote configuration of the Multi-Circuit System shall have the capability of supporting 256 Speaker **NAC** Circuits and 64 Strobe Appliance **NAC** Circuits.

## MULTI-CIRCUIT REMOTE MICROPHONE STATION (RMS-1B/R)

The Remote Microphone station shall be a Wheelock RMS-1B/R or approved equal. The unit shall be compatible with any Wheelock Multi-Circuit Supervised Audio, Fire and Emergency Evacuation System. The unit shall incorporate a Push-To-Talk (PTT) microphone, redundant controls and system status indicators of/for the system. The unit shall incorporate microphone override of any tone generation or Wheelock product for prerecorded messages. The unit shall be fully supervised from the control panel. The unit shall be made of steel and be flush mounted to a standard 4-gang electrical box. The unit shall come equipped with a keyed lock that, when activated allows the use of the unit. The locking arrangement shall be identical to the control unit. The unit shall be painted either black or red. The unit shall have a weight of 1 Lb., 8 oz. and its' dimensions shall be 5"H x 9"W x .5"D. The unit shall be made in the USA and have a 3 YEAR WARRANTY. The approvals for this unit shall be: UL Standard 864, ULC, MEA, CSFM & FCC Part 15.

NOTE: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Wheelock Inc. standard terms and conditions.

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