



# Analog fire panels

FPA-1000 Family



**BOSCH**

en NAC Compatibility List



# 1 NAC compatibility

## 1.1 General notes

Bosch Security Systems found the following notification appliance circuit (NAC) devices compatible with the FPA-1000 fire panels.



### Notice!

Bosch makes no written, oral, or implied claim that any NAC devices, other than the ones listed in this document, work with the FPA-1000 fire panels.

To be UL 864 compliant, use only the notification appliances listed in this document. For the number of NAC devices allowed when using synchronized products from the indicated manufacturers, see the following table:

Manufacturer	Maximum devices per NAC
Wheelock	27
System Sensor	25
Gentex	23

These are the maximum number of devices. A high-current setting reduces this quantity.

## 1.2

### Bosch Security Systems, Inc. notification appliances

Audible devices
D441 6-inch Bell, 24 V
D443 10-inch Bell, 24 V
D457 Multi-tone horn, 12/24 V
D541S Synchronized horn, 24 V
D543S Weatherproof synchronized horn, 24 V
Visible devices
D545S Synchronized strobe, 15/75 cd, 24 V
D556S Retrofit strobe plate, 15/75 cd, 24 V
DRS24-VARC-SWR (red) / -SWW (white) Wall-mount strobe plate, multi-cd, 24 V
DS24-VARC-SWR (red) / -SWW (white) Wall-mount strobe, Variable-cd, 24 V
Audible/Visible devices
D559S Mini-horn/strobe, 15/75 cd, 24 V
D571S Mini-horn/strobe, 2-wire, 15/75 cd, 24 V
DAS24-75-SOR Weatherproof audible strobe, 24 V
DAS24-VARC-SWR (red) / -SWW (white) Wall-mount horn/strobe, multi-cd, 24 V
DCS24-VARC-SWR (red) / -SWW (white) Wall-mount chime/strobe
DMAS24-VARC-SWR (red) / -SWW (white) Wall-mount mini-horn/strobe

<b>Audible/Visible devices</b>
DMTS24-75-SOR (white) Wall-mount mini-horn/strobe
DVS2W-VARC-SWR (red) / -SWW (white) Wall-mount speaker/strobes, multi-candela, 2 W
DVS8W-VARC-SWR (red) / -SWW (white) Wall-mount speaker/strobes, multi-candela, 8 W
<b>Accessory modules</b>
D666 NAC interface module
DSM-12/24-R Synch module (2 Class B or 1 Class A)

### 1.3

## Wheelock notification appliances

<b>Audible devices</b>	
Exceder Series Horns	Based on UL documentation, all Exceder series Horns are certified for use with FPD-7024 panels and FPP-RNAC-8A-4C.
AH-24 Electronic horns	AH-24-R (red) / -W (white) Electronic horns, 24 VDC
	AH-24WP-R (red) Weatherproof electronic horn, 24 VDC
AMT Electronic appliances	AMT-12/24-R (red) / -W (white) Multi-tone electronic appliances
	AMT-12/24-R-NYC (red) Multi-tone electronic appliance for New York City
CH70 Chimes	CH70-24-R (red) / -W (white) Wall-mount chimes
CH90 Chimes	CH90-24-W Ceiling-mount chime (white)
HS Horns	HS-24-R (red) / -W (white) Horns, two-wire
MB Bells	MB-G6-24-R Motor bell, 24 V, 6-inch
	MB-G10-24-R Motor bell, 24 V, 10-inch
MIZ Mini-horns	MIZ-24S-R (red) / -W (White) Mini-horns, 24 V
MT Electronic appliances	MT-12/24-R (red) / W (white) Multi-tone electronic appliance
NH Horns	NH-12/24-R (red) / -W (white) Horns
Z Series Horns	ZNH-R (red) / -W (white) Horns
<b>Visible devices</b>	
Exceder Series Strobes	Based on UL documentation, all Exceder series Strobes are certified for use with FPD-7024 panels and FPP-RNAC-8A-4C.

<b>Visible devices</b>	
RSS Strobes	RSS-241575W-FR (red) / -FW (white) Wall-mount strobes, square, 24 VDC
	RSS-24MCC-FR (red) / -FW (white) / -NW (white, no words) Ceiling-mount strobes, square
	RSS-24MCC-FR-V (red) Ceiling-mount strobe, square, variable-cd
	RSS-24MCCH-FR (red) / -FW (white) Ceiling-mount strobes, square
	RSS-24MCCHR-FR (red) / -FW (white) Ceiling-mount strobes, round
	RSS-24MCCR-FR (red) / -FW (white) Ceiling-mount strobes, round
	RSS-24MCW-FR (red) / -FW (white) Wall-mount strobes, square
	RSS-24MCWH-FR (red) / -FW (white) Wall-mount strobe, square
RSSP Retrofit strobes	RSSP-241575W-FR (red) Fixed-candela retrofit strobe, 24 VDC
	RSSP-24MCW-FR (red) Multi-candela retrofit strobe, 24 VDC
	RSSP-24MCWH-FR (red) High-candela retrofit strobe, 24 VDC
RSSR Strobes (red lens)	RSSR-24110C-NW (red lens, no writing) Ceiling-mount strobe, 110-cd
	RSSR-2475C-NW (red lens, no writing) Ceiling-mount strobe, 75-cd
	RSSR-2475W-AAR (red lens) Wall-mount strobe, square, 75 cd
RSSWP Weatherproof strobes	RSSWP-2475C-FR (red) / -FW (white) Ceiling-mount weatherproof strobes
	RSSWP-2475W-FR (red) / -FW (white) Wall-mount weatherproof strobes
Z Series Strobes	ZRS-MCW-FR (red) / -FW (white) Wall-mount strobes, multi-candela
	ZRS-MCWH-FR (red) / -FW (white) Wall-mount strobes, high-candela
	ZRS-MCC-FR (red) / -FW (white) Ceiling-mount strobes, multi-candela
	ZRS-MCCH-FR (red) / -FW (white) Ceiling-mount strobes, high-candela
<b>Audible/Visual devices</b>	
Exceder Series Horn/strobes	Based on UL documentation, all Exceder series horn/strobes are certified for use with FPD-7024 panels and FPP-RNAC-8A-4C.
AMT Electronic appliances/strobes	AMT-241575W-FR (red) / -FW (white) / -NW (white, no words) Multi-tone electronic appliance/strobes, fixed-candela
	AMT-241575W-NYC (red) Multi-tone electronic appliance/strobe for New York City
	AMT-24MCW-FR (red) / -FW (White) Multi-tone horn/strobes, multi-candela

<b>Audible/Visual devices</b>	
AS Horn/strobes	AS-241575W-FR (red) / W (white) Horn/strobe, 24 VDC
	AS-24MCC-FR (red) / -FW (white) Ceiling-mount horn/strobe
	AS-24MCC-FR-V (red) Ceiling-mount horn/strobe, variable- candela
	AS-24MCCH-FR (red) / -FW white) Ceiling-mount horn/strobes
	AS-24MCW-FR (red) / -FW (white) Wall-mount horn/strobes
	AS-24MCWH-FR (red) / -FW (white) Wall-mount horn/strobes
	ASWP-2475W-FR (red) Weatherproof wall-mount horn/strobe
	ASWP-2475C-FR (red) / W (white) Ceiling-mount weatherproof horn/strobe
CH70 Chime/strobes	CH70-241575W-FR (red) Chime/strobe, fixed-candela
	CH70-24MCW-FR (red) / -FW (white) Chime/strobes, multi-candela
	CH70-24MCWH-FR (red) / -FW (white) Chime/strobe, high-candela
CH90 Chime/strobes	CH90-24MCC-FR (red) / -FW (white) Chime/strobes, multi-candela
	CH90-24MCCH-FW (white) Ceiling-mount chime/strobe, high-candela
E50 Speaker/strobes	E50-241575W-FR (red) / -FW (white) Speaker/strobes
	E50-24MCW-FR (red) / -FW (white) Speaker/strobes
	E50-24MCWH-FR (red) / -FW (white) Speaker/strobes
E70 Speaker/strobes	E70-241575W-FN (nickel) / -FR (red) / -FW (white) Low-profile speaker/strobes
	E70-24MCW-FN (nickel) / -FR (red) / -FW (white) Low-profile speaker/strobes
	E70-24MCWH-FN (nickel) / -FR (red) / -FW (white) Low-profile speaker/strobes
E90 Speaker/strobes	E90-24MCC-FN (nickel) / -FR (red) / -FW (white) Low-profile speaker/strobes
	E90-24MCCH-FN (nickel) / -FR (red) / -FW (white) Low-profile speaker/strobes
ET70 Speaker/strobes	ET70-241575W-FN (nickel) / -FR (red) / -FW (white) High-performance speaker/strobes
	ET70-24MCW-FN (nickel) / -FR (red) / -FW (white) High-performance speaker/strobes
	ET70-24MCWH-FN (nickel) / -FR (red) / -FW (white) High-performance speaker/strobes
	ET70WP-2475C-FR (red) /FW (white) Ceiling-mount weatherproof speaker/strobe
	ET70WP-2475W-FR (red) Wall-mount weatherproof speaker/strobe

<b>Audible/Visual devices</b>	
ET80 Speaker/strobes	ET80-241575W-FR (red) / -FW (white) Vandal-resistant speaker/strobes
	ET80-24MCW-FR (red) / -FW (white) Vandal-resistant speaker/strobes
	ET80-24MCWH-FR (red) / -FW (white) Vandal-resistant speaker/strobes
ET90 Speaker/strobes	ET90-24MCC-FN (nickel) / -FR (red) / -FW (white) / -NW / (no letters) High-performance speaker/strobes
	ET90-24MCCH-FN (nickel) / -FR (red) / -FW (white) High-performance speaker/strobes
HS4 Horn/strobes	HS4-241575W-FR (red) / -FW (white) Horn/strobes, fixed-candela
	HS4-24MCW-FR (red) / -FW (white) Horn/strobes, multi-candela
	HS4-24MCWH-FR (red) / -FW (white) Horn/strobes, high-candela
MT Electronic appliances	MT-241575W-FR (red) / FW (white) Multi-tone electronic appliance, 15/75 cd, 24 VDC
	MT2475W-FR (red) Multi-tone electronic appliance, 75 cd, 24 VDC
	MT-24MCW-FR (red) / -FW (white) Multi-tone electronic appliance, multi-candela, 24 VDC,
	MTWP-2475W-FR (red) / -NW (white, no words) Weatherproof Multi-tone electronic appliance
	MTWP-2475C-FR (red) / -FW (white) Ceiling-mount weatherproof multi-tone electronic appliances
NS Horn/strobes	NS-241575W-FR (red) / -FW (white) Horn/strobes, 24 VDC
	NS-24MCW-FR (red) / -FW (white) Horn/strobes, 24 VDC
Z Series Horn-strobes	ZNS-MCC-FR (red) / -FW (white) Ceiling-mount horn/strobes, multi-candela
	ZNS-MCCH-FR (red) / -FW (white) Ceiling-mount horn/strobes, high-candela
	ZNS-MCW-FR (red) / -FW (white) Wall-mount horn/strobes, multi-candela
	ZNS-MCWH-FR (red) / -FW (white) Wall-mount horn/strobes, high-candela
<b>Accessory modules</b>	
DSM-12/24-R (red) Dual synchronization module	
SM-12/24-R (red) Single synchronization module	
ZBASE Two-wire base for Z Series devices	

## 1.4 System Sensor notification appliances

<b>Audible devices</b>	
SpectrAlert Advanced Chimes and Horns	Based on UL documentation, all SpectrAlert Advanced chimes and horns are certified for use with FPD-7024 panels and FPP-RNAC-8A-4C.
<b>Visible devices</b>	
SpectrAlert Strobes	S1224MC (red) / W (white) Strobes
	S1224MCK Weatherproof Strobe
	SC2415 (red) / W (white) Strobes, 15 cd
	SC241575 (red) / W (white) Strobes, 15/75 cd
	SC2430 (red) / W (white) Strobes, 30 cd
	SC2475 (red) / W (white) Strobes, 75 cd
	SC2495 (red) / W (white) Strobes, 95 cd
	SC24115 (red) / W (white) Strobes, 115 cd
	SC24177 (red) / W (white) Strobes, 177 cd
	SR (red) / W (white) Wall strobe, 2-wire 15-115cd
SRK Wall strobe, outdoor 2-wire red	
SpectrAlert Advanced Strobes	Based on UL documentation, all SpectrAlert Advanced strobes are certified for use with FPD-7024 panels and FPP-RNAC-8A-4C.
<b>Audible/Visual devices</b>	
SpectrAlert Horn/strobes	P1224MC (red) / W (white) Horn/strobes
	P1224MCK Weatherproof Horn/strobe
	P2475 Wall-mount Horn/strobe, 24 VDC, 75 cd
	PC2415 (red) / W (white) Horn/strobes, 15 cd
	PC241575 (red) / W (white) Horn/strobes, 15/75 cd
	PC2430 (red) / W (white) Horn/strobes, 30 cd
	PC2475 (red) / W (white) Horn/strobe, 75 cd
	PC2495 (red) / W (white) Horn/strobes, 95 cd
	PC24115 (red) / W (white) Horn/strobes, 115 cd
	PC24177 (red) / W (white) Horn/strobes, 177 cd
	PC2R (red) / W (white) Ceiling horn/strobe 2-wire 15-115cd
	PC2RH (red) / W (white) Ceiling horn/strobe 2-wire 115-185cd
	SP2R1224MC (red) / W1224MC (white) Speaker/strobes
	SP2W1224MCK Ceiling-mount round Horn/strobe, 24 VDC, 2 W



<b>Audible/Visual devices</b>	
SpectrAlert Advanced Chime/strobes, Horn/strobes, and Speaker/strobes	Based on UL documentation, all SpectrAlert Advanced chime/strobes, horn/strobes, speaker/strobes are certified for use with FPD-7024 panels and FPP-RNAC-8A-4C.
<b>Accessory modules</b>	
Sync•Circuit Synch Modules	SSMDL (red) / SSMDLW (white) Sync•Circuit synchronization modules

## 1.5

### Gentex notification appliances

<b>Audible devices</b>	
Fire-Lite Horns	GMH24R Electro-mechanical horn, 4-inch
GB Bells	GB6-24 Alarm bell, 24 V, 6-inch
	GB10-24 Alarm bell, 24 V, 10-inch
GEH24 Horns	GEH24-R (red) / -W (white) Horns, 24 VDC
GX Mini-horns	GX91-R (red) / -W (white) Mini-horn, 12/24V, continuous tone
	GX93-R (red) / -W (white) Mini-horn, 12/24V, temporal tone
<b>Visual devices</b>	
Fire-Lite Remote Visual Signals	GXS-4-15/75CR (red) Ceiling-mount remote visual signal, 15 cd or 75 cd
GCS24 Strobes	GCS24-CR (red) / -CW (white) Strobes
GES24 Strobes	GES24-15WR (red) / -15WW (white) Strobes, 15 cd
	GES24-15/75WR (red) / -15/75WW (white) Strobes, 15/75 cd
	GES24-30WR (red) / -30WW (white) Strobes, 30 cd
	GES24-60WR (red) / -60WW (white) Strobes, 60 cd
	GES24-75WR (red) / -75WW (white) Strobes, 75 cd
	GES24-110WR (red) / -110WW (white) Strobes, 110 cd
ST24 Strobes	ST24-15WR (red) / -15WW (white) Strobes, 15 cd
	ST24-15/75WR (red) / -15/75WW (white) Strobes, 15/75 cd
	ST24-30WR (red) / -30WW (white) Strobes, 30 cd
	ST24-60WR (red) / -60WW (white) Strobes, 60 cd
	ST24-75WR (red) / -75WW (white) Strobes, 75 cd
	ST24-110WR (red) / -110WW (white) Strobes, 110 cd
WGES Strobes	WGES24-75WR (red) / -75WW (white) Weatherproof strobes
	WGES24-75WRLP (red) / -75WWLP (white) Low-profile weatherproof strobes

<b>Audible/Visual devices</b>	
Fire-Lite Series Horn/strobes	GMS24-15/75CR (red) Ceiling-mount electro-mechanical horn/strobe, 4-inch, 15 cd or 75 cd
	GMS24-15WR (red) Wall-mount electro-mechanical horn/strobe, 4-inch, 15 cd
	GMS24-1575WR (red) Wall-mount electro-mechanical horn/strobe, 4-inch, 15 cd or 75 cd
	GMS24-1575WRZ (red) Wall-mount electro-mechanical horn/synchronized strobe, 4-inch, 15 cd or 75 cd
	GMS24-30WR (red) Wall-mount electro-mechanical horn/strobe, 4-inch, 30 cd
	GMS24-3075WR (red) Wall-mount electro-mechanical horn/strobe, 4-inch, 30 cd or 75 cd
	GMS24-60WR (red) Wall-mount electro-mechanical horn/strobe, 4-inch, 60 cd
	GMS24-1000WR (red) Wall-mount electro-mechanical horn/strobe, 4-inch, 100 cd
GCC24 Horn/strobes	GCC24-CR (red) / -CW (white) Horn/strobe
GEC24 Horn/strobes	GEC24-15WR (red) / -15WW (white) Horn/strobes, 15 cd
	GEC24-15/75WR (red) / -15/75WW (white) Horn/strobes, 15/75 cd
	GEC24-30WR (red) / -30WW (white) Horn/strobes, 30 cd
	GEC24-60WR (red) / -60WW (white) Horn/strobes, 60 cd
	GEC24-75WR (red) / -75WW (white) Horn/strobes, 75 cd
	GEC24-110WR (red) / -110WW (white) Horn/strobes, 110 cd
GEC3 Horn/strobes	GEC3-24WR (red) / -24WW (white) Horn/strobes, 24 VDC/FWR
GES3 Horn/strobes	GES3-24WR (red) / -24WW (white) Horn/strobes, 24 VDC/FWR
HS24 Horn/strobes	HS24-15WR (red) / -15WW (white) Horn/strobes, 15 cd
	HS24-15/75WR (red) / -15/75WW (white) Horn/strobes, 15/75 cd
	HS24-30WR (red) / -30WW (white) Horn/strobes, 30 cd
	HS24-60WR (red) / -60WW (white) Horn/strobes, 60 cd
	HS24-75WR (red) / -75WW (white) Horn/strobes, 75-cd
	HS24-110WR (red) / -110WW (white) Horn/strobes, 110 cd

<b>Audible/Visual devices</b>	
SSPK24 Speaker/strobes	SSPK24-15WR (red) / -15WW (white) Speaker/strobes, 15 cd
	SSPK24-1575WR (red) / -15/75WW (white) Speaker/strobes, 15/75-cd
	SSPK24-30WR (red) / -30WW (white) Speaker/strobes, 30 cd
	SSPK24-60WR (red) / -60WW (white) Speaker/strobes, 60 cd
	SSPK24-75WR (red) / -75WW (white) Speaker/strobes, 75 cd
	SSPK24-110WR (red) / /-110WW (white) Speaker/strobes, 110 cd
	SSPK24-15/75WLPR (red) / W (white) Wall speaker/strobe 15/75cd 24V
	SSPK24WLPR / W (white) Wall speaker/strobe 15-110cd 24V
	SSPK24CLPW Ceiling speaker/strobe 15-110cd 24V
	SSPK24CW Ceiling speaker/strobe variable cd 24V
WGEC24 Horn/ strobes	WGEC24-75WR (red) / -75WW (white) Weatherproof horn/strobes, 75 cd
	WGEC24-75WRLP (red) / -75WWLP (white) Low-profile weatherproof horn/strobes
<b>Accessory modules</b>	
AVS Synch modules	AVS-44 (red) / -W (white) Synchronization modules
AVSM synch modules	AVSM-R (red) / -W (white) Synchronization module

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