

PATHFINDER® PF400

NEW 400-WATT PROGRAMMABLE SIREN/LIGHT CONTROLLER



FEATURES

- 400 W Programmable siren/light controller with remote-mount amplifier
- (4) 100 W independent audio channels
- Integrated multi-tone capability
- Integrated Rumbler® traffic-clearing capability
- Capable of Rumbler and dual-tone in a single amplifier
- PF400Q models feature the traditional trademarked Q-Siren® tone
- FS Vehicle Integration/On-Board Diagnostics Integration (OBDII)
- Library of selectable siren tones
- (4) FS Convergence Network ports
- (7) programmable inputs and (16) programmable solid-state relay outputs
- Standard voice messages are available in English, Spanish, and French Canadian to broadcast alerts. Custom voice messages are available for an additional fee
- Convergence Network Configuration Software allows for easy customization of siren and light controls
- 12/24 Vdc
- Five-year warranty

Introducing the innovative Pathfinder® PF400, a fully programmable siren that features (4) 100 Watt independent audio channels for a total of 400 Watts, the first in the industry.

Pathfinder PF400 is packed with features, including Rumbler® traffic-clearing and multi-tone capabilities, as well as optional Federal Signal Vehicle Integration/On-Board Diagnostics (OBDII). Integrated Rumbler traffic-clearing capability allows the Pathfinder PF400 to produce a Rumbler tone without the need for a separate externally mounted amplifier. The Pathfinder PF400 can produce single-, dual-, tri-, or quad-tone, depending on the number of speakers utilized, to create a multi-vehicle presence.

Pathfinder PF400 stands out as the only siren in the market that can execute both Rumbler and dual-tone functions within a single amplifier.

For the Fire/EMS market, the PF400Q models include the distinctive trademarked Q-Siren® tone of the Q2B electro-mechanical siren.

The installation process is made effortless with the incorporation of Convergence Network Configuration Software, allowing easy customization of control capabilities. The software is available for download on the Federal Signal website, providing convenient programming for individual vehicles or entire fleets from a laptop.

TECHNOLOGIES





PF400Q REMOTE SURFACE-MOUNT CONTROLLER WITH (4) BUTTONS AND ROTARY KNOB



PF400QS17B/PF400S17B REMOTE SURFACE-MOUNT CONTROLLER WITH (17) BUTTONS AND SLIDE SWITCH



PF400QH/PF400H HANDHELD CONTROLLER / MICROPHONE WITH (14) BUTTONS



PF400QR/PF400R REMOTE SURFACE-MOUNT CONTROLLER WITH ROTARY KNOB AND SLIDE SWITCH

Pathfinder PF400Q / PF400 Recommended Configurations

The Pathfinder PF400 can drive one to four 100-Watt speakers. The PF400 is capable of multiple speaker and tone configurations. Pathfinder PF400 can also be used in 100-Watt applications and still meet SAE J1849 and NFPA Compliance. Following are recommended configurations based on popular applications.

Fire Apparatus and Ambulance Applications Utilizing PF400Q Siren Models

- Federal Signal recommends that the "Q-Siren® tone" be played through a BP200 speaker
 - A single BP200 speaker will simultaneously utilize Channel 1 and Channel 2 of the siren
- For additional low-frequency Rumbler® capability, utilize one of the below options on Channel 3
 - Option 1: RBKIT-SOLO
 - Option 2: Both Compact low-frequency speakers from model RBKIT2-COMPACT
- For additional high-frequency dual-tone capability, utilize one of the below options on Channel 4
 - Option 1: DynaMax speaker = (One) ES100C
 - Option 2: AS124 speaker = (One) 750501

SIREN	CHANNEL ONE	CHANNEL TWO	CHANNEL THREE	CHANNEL FOUR	SIREN OUTPUT
PF400Q	BP200 (Q-Siren® tone primary)		RBKIT-SOLO or RBKIT2-COMPACT (Rumbler® low-frequency tone)	ES100C or AS124 (Secondary tone)	Dual high-frequency tones and Single low-frequency Rumbler tone. High-frequency tones can be played in phase or out of phase.
ADDITIONAL POSSIBLE EQUIPMENT CONFIGURATIONS					
SIREN	CHANNEL ONE	CHANNEL TWO	CHANNEL THREE	CHANNEL FOUR	SIREN OUTPUT
PF400Q	BP200 (Q-Siren tone)		BP200 (Q-Siren tone)		Dual Q-Siren tone. Q-Siren tones can be played in phase or out of phase.
PF400Q	BP200 (Q-Siren tone)		RBKIT-SOLO (Rumbler low-frequency tone)	Channel not utilized	Single Q-Siren tone at 200-Watts, Single low-frequency tone
PF400Q	BP200 (Q-Siren tone)		RBKIT2-COMPACT (Rumbler low-frequency tone - one speaker on each channel)		Single Q-Siren tone at 200-Watts. Capable of Single low-frequency tone or dual low-frequency tones

Fire Command/Support Vehicle Applications Utilizing PF400Q Siren Models

- Federal Signal recommends that the "Q-Siren® tone" be played simultaneously through a pair of AS124 speakers (model 750501).
 - Additionally, the siren can be programmed to play other tones simultaneously or alternately through these two speakers in order to achieve a dual-tone function.
 - Optional: (Two) ES100C speakers can be utilized, but for best performance of the Q-tone, AS124 speakers are recommended.
- For additional low-frequency Rumbler® capability, utilize one of the below options on Channel 3
 - Option 1: RBKIT-SOLO
 - Option 2: Both Compact low-frequency speakers from model RBKIT2-COMPACT

SIREN	CHANNEL ONE	CHANNEL TWO	CHANNEL THREE	CHANNEL FOUR	SIREN OUTPUT
PF400Q	(Two) 750501 – one on each channel (Q-Siren® tone primary) (Can also be used for dual-tone function)		RBKIT-SOLO or RBKIT2-COMPACT (Rumbler® low-frequency tone)	Channel not utilized	Single Q-tone at 200 Watts Dual-tone at 100 W each function Single low-frequency tone

Police Vehicle Applications (typically where PF400 models are utilized instead of PF400Q models)

- (Two) ES100C 100-Watt speakers are recommended for Channel 1 and Channel 2
 - Capable of playing a single 200-Watt tone
 - Or capable of playing two different 100-Watt tones
- For additional low-frequency Rumbler® capability, utilize one of the below options on Channel 3
 - Option 1: RBKIT-SOLO
 - Option 2: Both Compact low-frequency speakers from model RBKIT2-COMPACT

SIREN	CHANNEL ONE	CHANNEL TWO	CHANNEL THREE	CHANNEL FOUR	SIREN OUTPUT
PF400	ES100C	ES100C	RBKIT-SOLO or RBKIT2-COMPACT (Rumbler® low-frequency tone)	Channel not utilized	Dual high-frequency tones and Single low-frequency Rumbler tone. High-frequency tones can be played in phase or out of phase.

ADDITIONAL POSSIBLE EQUIPMENT CONFIGURATIONS

SIREN	CHANNEL ONE	CHANNEL TWO	CHANNEL THREE	CHANNEL FOUR	SIREN OUTPUT
PF400	ES100C	ES100C	ES100C	RBKIT-SOLO (Rumbler low-frequency tone)	Tri high-frequency tones and Single low-frequency Rumbler tone. High-frequency tones can be played in phase or out of phase.
PF400	ES100C	ES100C	ES100C	ES100C	Quad high-frequency tones. High-frequency tones can be played in phase or out of phase.

HOW TO ORDER

MODEL	DESCRIPTION	2024 LIST PRICE US\$
PF400Q	Siren/Light Controller with Remote surface mount controller, 400 W, integrated Q-Siren tone	\$ 2,416.00
PF400QS17B	Siren/Light Controller with 17-button controller, 400 W, integrated Q-Siren tone	2,999.00
PF400QH	Siren/Light Controller with Handheld controller/ microphone, 400 W, integrated Q-Siren tone	2,449.00
PF400QR	Siren/Light Controller with Remote surface mount controller, 400 W, integrated Q-Siren tone	2,449.00
PF400S17B	Siren/Light Controller with 17-button controller, 400 W	2,799.00
PF400H	Siren/Light Controller with Handheld controller/ microphone, 400 W	2,244.00
PF400R	Siren/Light Controller with Remote surface mount controller, 400 W	2,244.00

TIMING

The Pathfinder® PF400 is available to order today.