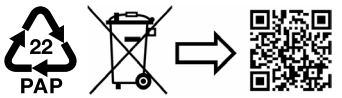
de

Sicherheitshinweise / Kurzanleitung PA 1 / PA X 1-05 / PA 5 / PA X 5-05/ PA X 5-10

Diese Sicherheitshinweise / Kurzanleitung und die mitgeltende digitale Betriebsanleitung (*Originalbetriebsanleitung*) liefern wichtige Sicherheitsinformationen zum Schutz vor Gefahren. Beide Dokumente immer vor Gebrauch des Gerätes sorgfältig lesen und zum späteren Nachschlagen aufbewahren.

Die Digitale Betriebsanleitung ist zum Download als PDF verfügbar. Quelle: www.pfannenberg.com/manuals oder scannen Sie einfach den nebenstehenden QR-Code. Für den Download benötigen Sie die auf dem Typschild angegebene Artikel-Nr. des Gerätes.

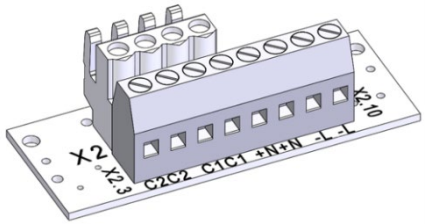
Gefahrenquelle	Gefahr	Gefährdungsgrad / Mögliche Folgen / Gegenmaßnahmen
Grundsätzliche Sicherheitsanweisung missachtet Für alle Arbeiten an spannungsführenden Geräten gilt: Nur Fachkräfte dürfen an elektrischen Geräten arbeiten!		**GEFAHR - Lebensgefahr durch Stromschlag** Spannungsführende Geräte und freiliegende Anschlussleitungen können Stromschläge erzeugen und schwere Unfälle verursachen. ➢ Arbeiten an elektrischen Anschlüssen dürfen nur elektrotechnisch geschulte und autorisierte Fachkräfte durchführen. ➢ Vor der Montage alle Zuleitungen spannungsfrei schalten und gegen Wiedereinschalten sichern. Spannungsfreiheit immer sicherstellen. ➢ Entladungsphase von 5 Minuten für die elektrischen Komponenten abwarten. Erst danach Gerät öffnen. ➢ Das Anlegen der Betriebsspannung darf nur bei fest verschlossenem Gehäuse erfolgen.
Bestimmungsgemäße Verwendung missachtet Einsatzbeschreibung missachtet.		**WARNUNG - Gefahr durch unzulässigen Einsatz der Geräte** Der nicht bestimmungsgemäße Einsatz kann zu schweren Unfällen führen. ➢ Bei der Installation darauf achten, dass die Anschlussleitung gegen Zug und Verdrehen abgesichert ist. Die Geräte sind nur für die ortsfeste Montage bestimmt. Zur Gewährleistung der dauerhaften Funktion: ➢ in staubreicher Umgebung oder im Außenbereich den Schalltrichter nicht nach oben gerichtet montieren.
Typenschild-Angaben missachtet		**GEFAHR - Gefahr durch Beschädigung der Geräte** **Nichtbeachtung der Typenschild-Angaben kann zu schweren Unfällen führen.** ➢ Bei Installation und Wartung der Geräte immer die Angaben auf dem Typenschild beachten.
Installation/ Wartungsarbeiten		**VORSICHT - Verletzungsgefahr durch scharfe Kanten oder erhitzte Bauteile** ➢ Bei Installations-, Montage-, oder Service-/ Wartungsarbeiten geeignete Persönliche Schutzausrüstung (PSA) tragen. ➢ Verdrahtung entfernt von scharfen Kanten, Ecken und internen Komponenten vornehmen, Kollisionen mit Bauteilen vermeiden.
Hohe Lautstärke der Schallgeber. **Große Helligkeit der Blitzfunktion bei Schallgeber-Blitzleuchten-Kombination.**		**VORSICHT - Beeinträchtigung des Hör-/ Sehvermögens** ➢ Um eine Beeinträchtigung des Hörvermögens zu verhindern, bei Arbeiten/ Tests eine Schallschutzausrüstung tragen. Unvermittelte Schallauslösung kann zu Schreckreaktionen führen. ➢ Um eine Beeinträchtigung des Sehvermögens zu verhindern, den dauernden, direkten Blick in die aktivierte Leuchte vermeiden. Unvermittelte Blitzauslösung kann zu Schreckreaktionen führen.



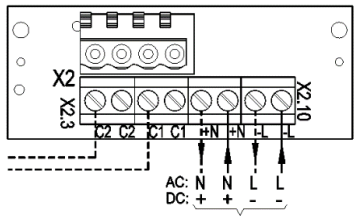
GEFAHR - Kennzeichnet eine außergewöhnlich große Gefahrensituation. Wird dieser Hinweis nicht beachtet, kommt es zu schweren irreversiblen Verletzungen oder zum Tod.
WARNUNG - Kennzeichnet eine außergewöhnlich große Gefahrensituation. Wird dieser Hinweis nicht beachtet, sind schwere irreversible oder tödlichen Verletzungen möglich.
VORSICHT - Kennzeichnet eine Gefahrensituation. Wird dieser Hinweis nicht beachtet, kann es zu leichten oder mittleren Verletzungen kommen.

Elektrischer Anschluss: (Platine im Unterteil)

PA 1/ PA 5



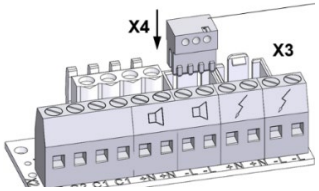
Externe Tonartenanwahl (Polarität siehe **S1B**)



Betriebsspannungsanschluss

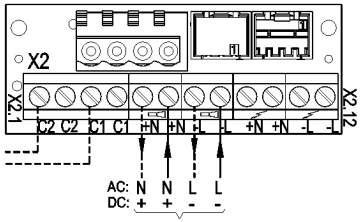
PA X 1-05 / PA X 5-05 /..10

Gemeinsamer Anschluss von Blitzleuchte und Schallgeber (Werkseinstellung)



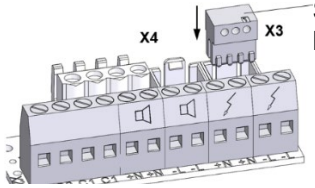
Stecker von der Blitzleuchtenplatine

Externe Tonartenanwahl (Polarität siehe **S1B**)



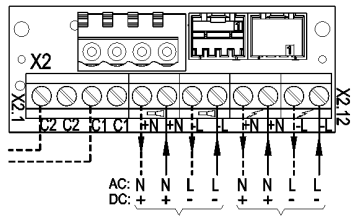
Betriebsspannungsanschluss

getrennter Anschluss von Blitzleuchte und Schallgeber



Stecker von der Blitzleuchtenplatine

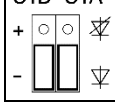
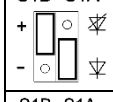
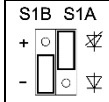
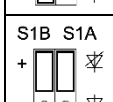
Externe Tonartenanwahl (Polarität siehe **S1B**)



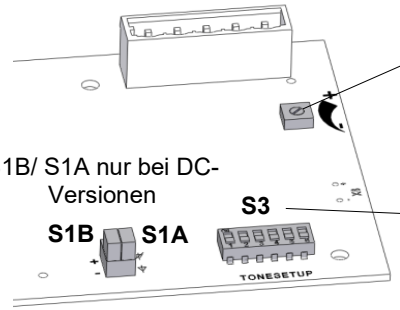
Betriebsspannungsanschluss Schallgeber

Betriebsspannungsanschluss Blitzleuchte

Einstellungen und Tonauswahl (Platine im Oberteil)

	Diode nicht überbrückt Polarität negativ **Werkseinstellung**
	Diode nicht überbrückt Polarität positiv
	Diode überbrückt Polarität negativ
	Diode überbrückt Polarität positiv

DC-Versionen und 48 V AC

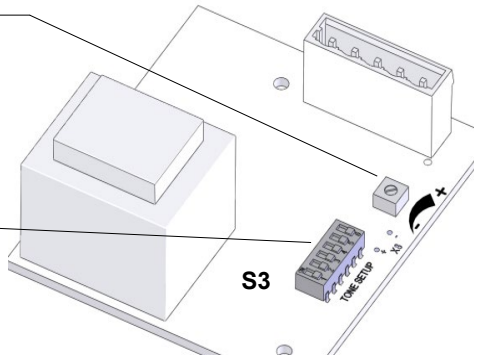


Lautstärkeregler

Hinweis:
Um EN54-3 -konform zu sein, muss sich der Lautstärkeregler in der Maximal-Position befinden.

S3 Tonartenschalter

AC-Version



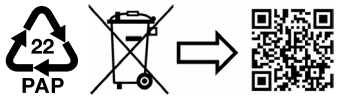
S1B: Auswahl der Polarität der Steuerspannung für C1 und C2 (externe Ansteuerung)
S1A: Überbrückung der integrierten Verpolungsschutzdiode

Der gewünschte Ton wird mit dem Tonartenschalter **S3** ausgewählt. Nach Anlegen der Versorgungsspannung wird der Ton erzeugt. Eine vollständige Tonartentabelle befindet sich im Anhang. Für die externe Ansteuerung anderer Töne siehe digitale Betriebsanleitung, Quelle: www.pfannenberg.com/manuals

Safety information / Quick guide PA 1 / PA X 1-05 / PA 5 / PA X 5-05/ PA X 5-10

These safety information / quick guide and the applicable digital operating manual (*original operating instructions*) provide important safety information for protection against hazards. Always read both documents thoroughly before using the device and retain them for future reference.
The digital operating instructions are available for download as a PDF file. Source: www.pfannenberg.com/manuals or simply scan the adjacent QR code. You will need the item number of the device indicated on the type plate for the download.

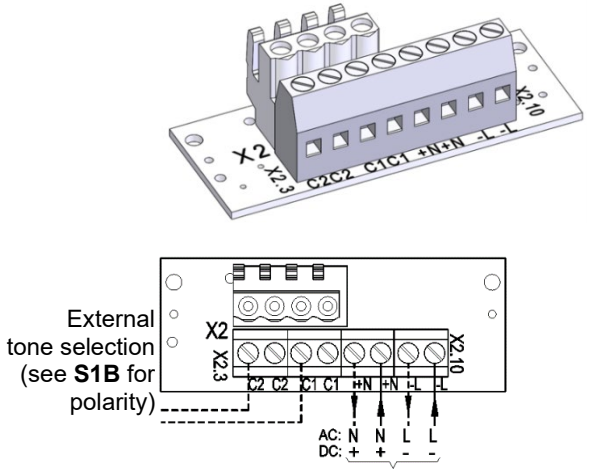
Danger source	Danger	Degree of risk / Possible consequences / Countermeasures
Fundamental safety information disregarded The following applies to all work on voltage-carrying equipment: Only qualified personnel are allowed to work on electric devices!		**DANGER - Danger to life due to electric shock** Voltage-carrying devices and exposed connection cables may cause electric shocks and serious accidents. ➢ Only trained and authorized electricians may work on electrical connections. ➢ Disconnect all supply lines from the mains before installation and secure them against reconnection. Always ensure absence of voltage. ➢ Wait 5 minutes for the electrical components to discharge after switching off the operating voltage. The device should only be opened afterwards. ➢ The operating voltage must only be applied when the housing is firmly closed.
Intended use disregarded Description of use disregarded.		**WARNING - Danger due to unauthorized use of the devices** Improper use may lead to serious accidents. ➢ Ensure that the connection cable is protected against pulling and twisting during installation. ➢ The devices are only intended for fixed installation. To ensure long-term function: ➢ Do not mount the bell mouth pointing upwards in dusty environments or outdoors.
Type plate information disregarded		**DANGER - Hazard due to damage to the devices** **Non-compliance with the information on the type plate can lead to serious accidents.** ➢ Always observe the information on the type plate when installing and servicing the devices.
Installation/ maintenance work		**CAUTION - Risk of injury due to sharp edges or heated components** ➢ Wear suitable personal protective equipment (PPE) for installation, assembly or service/maintenance work. ➢ Lay wires well away from sharp edges, corners and internal components; avoid collisions with parts.
High volume of the sounder. **High brightness of the flash function when using sounder/flashing light combination.**		**CAUTION - Impairment of hearing / vision** ➢ Wear sound insulation equipment during work/testing to prevent hearing impairment. ➢ Unexpected triggering of the sound can lead to startled reactions. ➢ Avoid constant, direct glances into the activated lights to prevent impairment of vision. ➢ Unexpected triggering of the flash can lead to startled reactions.



DANGER - Indicates an unusually high-level hazardous situation. Non-compliance with this warning may result in serious irreversible injury or death.
WARNING - Indicates an unusually high-level hazardous situation. Non-compliance with this warning may result in serious, irreversible or fatal injury.
CAUTION - Indicates a hazardous situation. Non-compliance with this warning may result in minor or moderate injury.

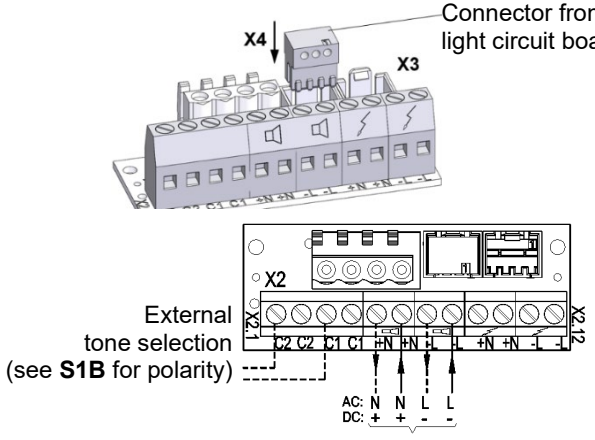
Electrical connection: (Circuit board in lower part)

PA 1/ PA



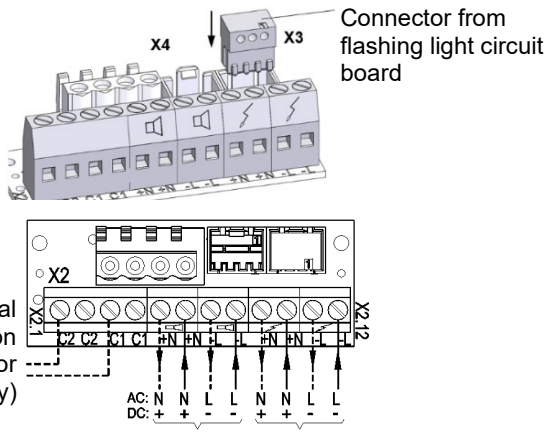
PA X 1-05 / PA X 5-05 /..10

Common connection of flashing light and sounder (factory setting)



Operating voltage connection

Separate connection of flashing light and sounder



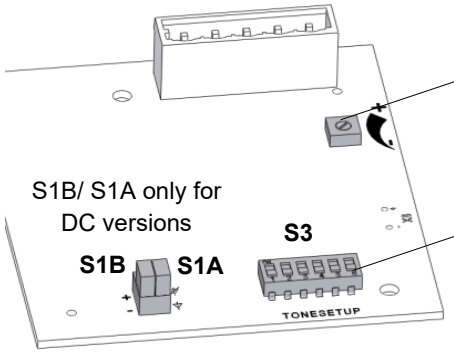
Operating voltage connection for sounder

Operating voltage connection for flashing light

Settings and tone selection (circuit board in the upper part)

S1B S1A + ○ ○ - ■ ■	Diode not bridged Polarity negative **Factory setting**
S1B S1A + ■ ○ - ○ ■	Diode not bridged Polarity positive
S1B S1A + ○ ■ - ■ ○	Diode bridged Polarity negative
S1B S1A + ■ ■ - ○ ○	Diode bridged Polarity positive

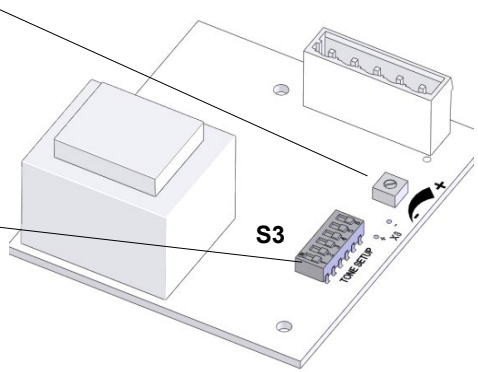
DC versions and 48 V AC



Volume control
Note:
The volume control must be in the maximum position in order to conform to EN54-3.

S3 Tone selector switch

AC version



S1B: Selection of control voltage polarity for C1 and C2 (external control)
S1A: Bridging of the integrated rectifier diode

The desired tone can be selected using the **S3** tone selector switch. The tone is generated after the supply voltage is applied. A complete tone type table can be found in the Annex. See the digital operating instructions for the external control of other tones, source: www.pfannenberg.com/manuals

Consignes de sécurité / Notice abrégée PA 1 / PA X 1-05 / PA 5 / PA X 5-05/ PA X 5-10

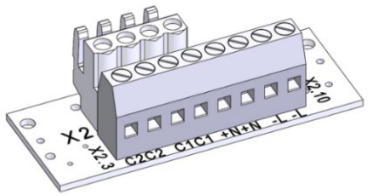
Le présent document Consignes de sécurité / Notice abrégée et le document Instructions de service numérique qui l'accompagne (*Instructions de service originales*) contiennent des informations de sécurité importantes pour se protéger contre les dangers. Lire attentivement les deux documents avant d'utiliser l'appareil et les conserver pour consultation ultérieure.
Le document Instructions de service numérique peut être téléchargé au format PDF. Source : www.pfannenberg.com/manuals, ou il suffit de scanner le QR-Code ci-contre. La référence de l'appareil indiquée sur la plaque signalétique est nécessaire pour le téléchargement.

Source du danger	Danger	Degré de risque / Conséquences possibles / Contre-mesures
Non-respect des consignes de sécurité de base La règle suivante s'applique à tous les travaux sur les appareils sous tension : Seul le personnel qualifié est autorisé à travailler sur les appareils électriques !		**DANGER - Danger de mort par décharge électrique** Les appareils sous tension et les câbles de raccordement dénudés peuvent provoquer des décharges électriques et des accidents graves. ➢ Les travaux sur les branchements électriques ne peuvent être effectués que par des professionnels agréés, formés en électrotechnique. ➢ Avant le montage, débrancher tous les câbles d'alimentation électrique et veiller à ce que le courant ne soit pas rétabli. S'assurer toujours de l'absence de tension. ➢ Après avoir coupé la tension de service, attendre la fin de la phase de décharge de 10 minutes pour les composants électriques. L'appareil peut ensuite être ouvert. ➢ La tension de service ne doit être appliquée que lorsque le boîtier est solidement fermé.
Non-respect de l'usage auquel l'appareil est destiné Description de service non respectée.		**AVERTISSEMENT - Risque lié à une utilisation non conforme des appareils** Une utilisation non conforme peut entraîner des accidents graves. ➢ Lors de l'installation, s'assurer que le câble de raccordement est protégé contre la traction et la torsion. Les appareils sont uniquement destinés à une installation stationnaire. Pour assurer un fonctionnement sur le long terme : ➢ Ne montez pas le klaxon vers le haut dans des milieux poussiéreux ou à l'extérieur.
Non-respect des indications de la plaque signalétique		**DANGER - Risque lié à la détérioration des appareils** **Le non-respect des indications de la plaque signalétique peut entraîner des accidents graves.** ➢ Lors de l'installation et de la maintenance des appareils, toujours tenir compte des indications figurant sur la plaque signalétique.
Travaux d'installation / de maintenance		**ATTENTION - Risque de blessures par des arêtes vives ou des composants chauds** ➢ Pendant les travaux d'installation, de montage ou d'entretien / maintenance, porter l'équipement de protection individuelle (EPI) approprié. ➢ Poser les câbles à l'écart des arêtes vives, des coins et des composants internes, éviter toute collision avec les composants.
Volume élevé de la sirène. **Luminosité élevée de la fonction flash avec la combinaison sirène/clignotants.**		**ATTENTION - Déficience de l'ouïe et de la vue** ➢ Veuillez porter un équipement anti-bruit pour prévenir toute déficience auditive pendant le travail ou les tests. Le déclenchement soudain de la sirène peut effrayer le personnel. ➢ Pour éviter toute altération de la vision, éviter de regarder en permanence et directement le feu activé. Le déclenchement soudain du flash peut effrayer le personnel.

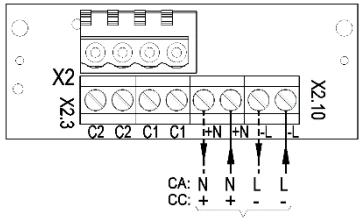
DANGER - Signale une situation particulièrement dangereuse. Le non-respect de cet avertissement entraîne des blessures graves et irréversibles, voire la mort.
AVERTISSEMENT - Signale une situation particulièrement dangereuse. Si cet avertissement n'est pas pris en compte, des blessures graves et irréversibles ou mortelles sont possibles.
ATTENTION - Signale une situation dangereuse. Le non-respect de cet avertissement peut entraîner des blessures légères à modérées.

Branchement électrique : (Platine de la partie inférieure)

PA 1/ PA 5



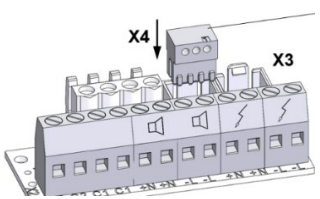
Sélection des types de sons externe (polarité, cf. **S1B**)



Raccordement de la tension de service

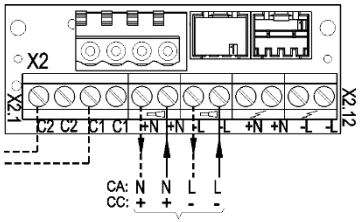
PA X 1-05 / PA X 5-05 /..10

Raccordement commun des feux flash et des sirènes (Réglage d'usine)



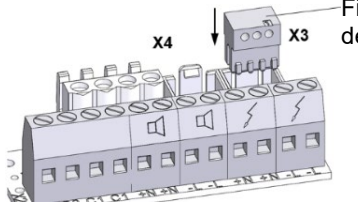
Fiche de la platine des feux flash

Sélection des types de sons externe (polarité, cf. **S1B**)



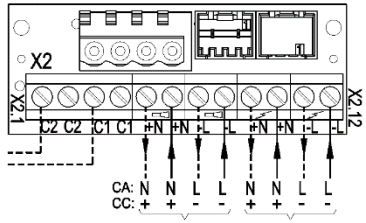
Raccordement de la tension de service

Raccordement séparé des feux flash et des sirènes



Fiche de la platine des feux flash

Sélection des types de sons externe (polarité, cf. **S1B**)



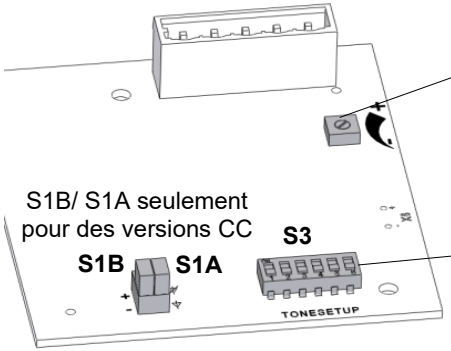
Raccordement de la tension de service pour la sirène

Raccordement de la tension de service pour les feux flash

Réglages et sélection du son (platine de la partie supérieure)

S1B S1A + ○ ○ - ■ ■	Diode non pontée Polarité négative **Réglage d'usine**
S1B S1A + ■ ○ - ○ ■	Diode non pontée Polarité positive
S1B S1A + ■ ○ - ■ ○	Diode pontée Polarité négative
S1B S1A + ○ ■ - ○ ■	Diode pontée Polarité positive

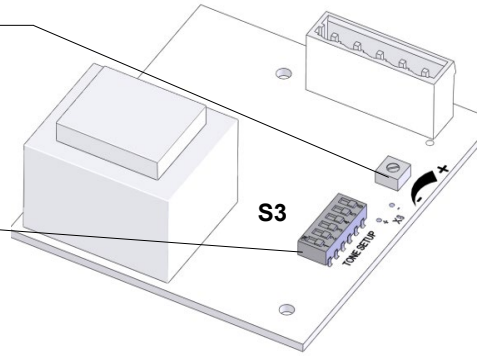
Versions CC et 48 V CA



Dispositif de réglage du volume
Remarque :
Pour être conforme à la norme EN54-3, le dispositif de réglage du volume doit se trouver dans la position maximale.

S3 Commutateur de tonalité

Version CA



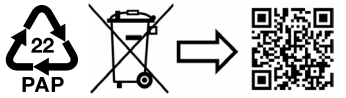
S1B : Sélection de la polarité de la tension de commande pour **C1** et **C2** (commande externe)
S1A : Pontage de la diode de protection contre l'inversion de polarité intégrée

Il est possible de sélectionner les types de sons à l'aide du commutateur de tonalité **S3**. Après l'application de la tension d'alimentation, un son est émis. Vous trouverez en annexe un tableau complet des sons. Pour les commandes externes d'autres sons, veuillez-vous reporter aux instructions de service en ligne, disponibles ici : www.pfannenberg.com/manuals

Istruzioni di sicurezza / Manuale sintetico PA 1 / PA X 1-05 / PA 5 / PA X 5-05/ PA X 5-10

Le presenti istruzioni di sicurezza/manuale sintetico e il manuale d'uso digitale (Manuale d'uso originale) contengono importanti informazioni sulla sicurezza per garantire protezione dai pericoli. Leggere attentamente entrambi i documenti prima di mettere in funzione l'apparecchio e conservarli per consultarli successivamente.
È possibile scaricare il manuale d'uso in PDF da qui: www.pfannenberg.com/manuals oppure scansionando il QR code presente in questa pagina. Per eseguire il download è necessario conoscere il n. art. indicato sulla targa del tipo.

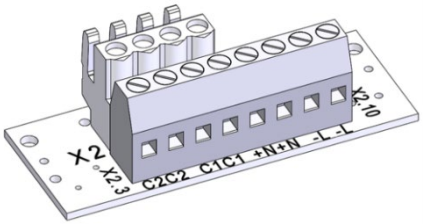
Fonti di pericolo	Pericolo	Grado di pericolo / possibili conseguenze / contromisure
Inosservanza di istruzioni di base sulla sicurezza Tutti i lavori su apparecchiature sotto tensione devono essere eseguiti solo ed esclusivamente da personale autorizzato a intervenire su attrezzature elettriche.		**PERICOLO - Scosse elettriche letali** Le parti sotto tensione e i cavi di collegamento liberi possono generare scosse elettriche causando gravi incidenti. ➢ Solo personale autorizzato e con formazione in elettrotecnica è autorizzato a eseguire interventi sui collegamenti elettrici. ➢ Prima del montaggio togliere tensione a tutte le linee in ingresso e metterle in sicurezza in modo che non possano riattivarsi. Accertarsi sempre che non ci sia tensione. ➢ Una volta disattivata la tensione operativa, attendere 5 minuti affinché i componenti elettrici non siano più sotto tensione. A quel punto sarà possibile aprire l'apparecchio. ➢ È possibile riattivare la tensione operativa solo con l'alloggiamento perfettamente chiuso.
Uso non conforme Inosservanza delle istruzioni sull'uso conforme.		**AVVERTIMENTO - Pericolo per uso non conforme** L'uso non conforme dell'apparecchio può causare gravi incidenti. ➢ Durante l'installazione accertarsi che i cavi di collegamento non siano soggetti a trazione o torsione. L'apparecchio è progettato per installazioni fisse. Per non compromettere la durata: ➢ Evitare il montaggio in ambienti polverosi o all'esterno con il megafono rivolto verso l'alto.
Inosservanza dei dati riportati sulla targa del tipo		**PERICOLO - Pericolo per danneggiamento dell'apparecchio** **L'inosservanza dei dati sulla targa del tipo può causare gravi incidenti.** ➢ Durante le operazioni di installazione e manutenzione dell'apparecchio rispettare sempre i dati riportati sulla targa del tipo.
Installazione /interventi manutentivi		**ATTENZIONE - Pericolo di lesioni per bordi taglienti o parti calde** ➢ Durante le operazioni di installazione, montaggio o assistenza/manutenzione indossare dispositivi di protezione individuale (DPI) adatti. ➢ Realizzare i collegamenti lontano da bordi taglienti, spigoli o componenti interni, ed evitare di urtare contro componenti.
Volume elevato del segnalatore acustico. **Elevata luminosità della modalità flash con segnalatore acustico e luci flash.**		**ATTENZIONE - compromissione di udito/vista:** ➢ Al fine di evitare una compromissione delle capacità uditive, indossare sempre un'adeguata protezione acustica nel corso delle operazioni/dei test. L'improvvisa attivazione del segnale acustico può causare reazioni di spavento. ➢ Per non compromettere la vista, evitare di rivolgere lo sguardo direttamente alla luce continua attiva. L'improvvisa attivazione del lampeggio può causare reazioni di spavento.



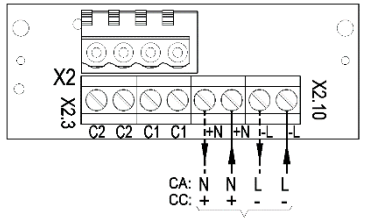
PERICOLO - Indica una situazione di grave pericolo di carattere straordinario. L'inosservanza di questo avviso causa lesioni gravi e irreversibili o letali.
AVVERTIMENTO - Indica una situazione di grave pericolo di carattere straordinario. L'inosservanza di questo avviso può causare lesioni gravi e irreversibili o letali.
ATTENZIONE - Indica una situazione di pericolo. L'inosservanza di questo avviso può causare lesioni lievi o moderate.

Collegamento elettrico: (Scheda nella parte inferiore)

PA 1/ PA 5



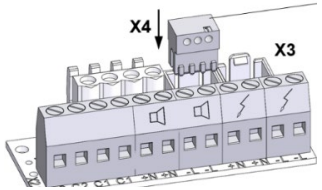
Selezione esterna dei toni (polarità: v. **S1B**)



Collegamento tensione operativa

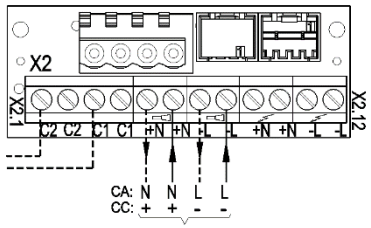
PA X 1-05 / PA X 5-05 /..10

Collegamento congiunto di luci flash e segnalazione acustica (Impostazione di fabbrica)



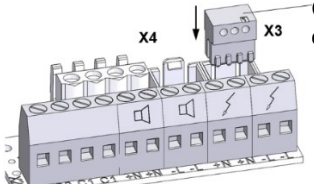
Connettore della scheda della luce flash

Selezione esterna dei toni (polarità: v. **S1B**)



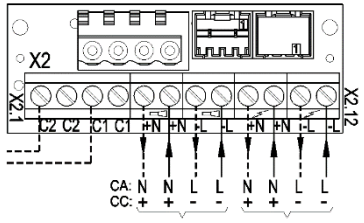
Collegamento tensione operativa

Collegamento separato di luci flash e segnalazione acustica



Connettore della scheda della luce flash

Selezione esterna dei toni (polarità: v. **S1B**)



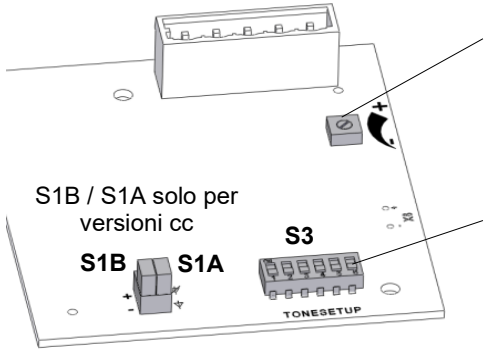
Collegamento tensione operativa per segnalatore acustico

Collegamento tensione operativa per luce flash

Impostazioni e selezione dei toni (scheda nella parte superiore)

Versione cc e 48 V ca

S1B S1A + ○ ○ - ▮ ▮	Diodo non bypassato Polarità negativa **Impostazione di fabbrica**
S1B S1A + ○ ▮ - ▮ ○	Diodo non bypassato Polarità positiva
S1B S1A + ▮ ○ - ○ ▮	Diodo bypassato Polarità negativa
S1B S1A + ▮ ▮ - ○ ○	Diodo bypassato Polarità positiva

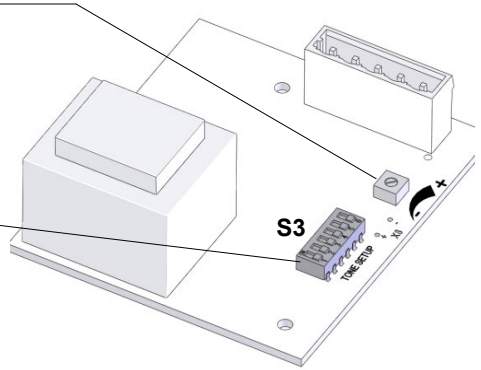


Regolazione volume

Nota:
al fine di garantire la conformità alla norma EN54-3, la regolazione del volume deve essere impostata sul massimo.

S3 Selettore toni

Versione ca



S1B: selezione della polarità della tensione di comando per **C1** e **C2** (controllo esterno)
S1A: diodo di protezione contro l'inversione di polarità bypassato

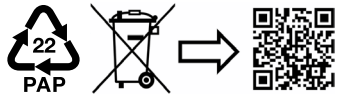
Il selettore **S3** permette di selezionare il tono desiderato. Il tono viene emesso una volta attivata la tensione di alimentazione. La tabella toni allegata riporta l'elenco completo di tutti i toni. Per il controllo esterno di altri toni, fare riferimento al manuale d'uso in formato digitale: www.pfannenberg.com/manuals

ru

Указания по технике безопасности / краткое руководство
PA 1 / PA X 1-05 / PA 5 / PA X 5-05/ PA X 5-10

Данные указания по технике безопасности / краткое руководство, а также сопутствующее цифровое руководство по эксплуатации (*оригинальное руководство по эксплуатации*) содержат важную информацию по технике безопасности для защиты от опасностей. Оба документа необходимо обязательно внимательно прочитать перед применением и сохранить для последующего использования.
Цифровое руководство по эксплуатации доступно для скачивания в формате PDF. Источник: www.pfannenberg.com/manuals или просто со сканируйте расположенный рядом QR код. Для загрузки Вам потребуется указанный на заводской табличке номер артикула устройства.

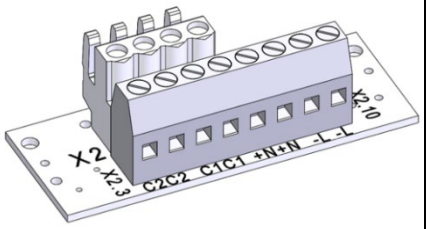
Источник опасности	Опасность	Степень опасности / Возможные последствия / Меры противодействия
Не соблюдено основополагающее предписание по технике безопасности Для всех работ на устройствах под напряжением действует требование: Работы на электрических устройствах должны выполнять только специалисты!		**ОПАСНОСТЬ - Опасность для жизни в результате поражения электрическим током** Находящиеся под напряжением устройства и открытые соединительные линии создают опасность поражения электрическим током и могут вызывать тяжелые несчастные случаи. ➢ Работы над подключениями к электросети разрешается выполнять только обученным и авторизованным специалистам-электрикам. ➢ Перед монтажом все подводящие линии необходимо обесточить и заблокировать от повторного включения. Обязательно обеспечить отсутствие напряжения. ➢ После отключения рабочего напряжения подождать 5 минут для разрядки электрических компонентов. Лишь затем открывать устройство. ➢ Включение рабочего напряжения должно производиться только на плотно закрытом корпусе.
Не выполнено требование по применению в соответствии с назначением Не соблюдены указания описания применения.		**ПРЕДУПРЕЖДЕНИЕ - Опасность в результате недопустимого применения устройств** Применение не по назначению может привести к тяжелым авариям. ➢ Во время монтажа следить за тем, чтобы соединительный кабель был защищен от растяжения и перекручивания. Устройства предназначены исключительно для стационарного монтажа. Для обеспечения длительного функционирования: ➢ не устанавливайте рупор в пыльном окружении или на открытом месте направленным вверх.
Не соблюдены указания заводской таблички		**ОПАСНОСТЬ - Опасность в результате повреждения устройств** **Несоблюдение данных заводской таблички может привести к тяжелым авариям.** ➢ При установке и техническом обслуживании устройств всегда учитывать данные на заводской табличке.
Работы по монтажу/ техническому обслуживанию		**ВНИМАНИЕ - Опасность травмирования острыми кромками или горячими деталями** ➢ Во время работ по установке, монтажу или техническому обслуживанию носить перчатки. ➢ Разводку кабелей выполнять вдали от острых кромок, углов и внутренних компонентов.
Высокая громкость излучателей звука. **Большая яркость лампы-вспышки при комбинации излучателя звука - лампы-вспышки.**		**ВНИМАНИЕ - Опасность ухудшения слуха/ зрения** ➢ Чтобы предотвратить ухудшение слуха, используйте средства защиты от шума во время работы / тестирования. Внезапное срабатывание звукового сигнала может привести к реакциям испуга. ➢ Чтобы не допустить ухудшения зрения, избегать длительного прямого зрительного контакта с включенной лампой. Внезапное срабатывание вспышки может привести к реакциям испуга.

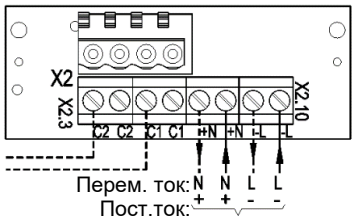


ОПАСНОСТЬ - Обозначает чрезвычайно опасную ситуацию. Если не соблюдать это указание, то будут причинены тяжелые необратимые травмы или смерть.
ПРЕДУПРЕЖДЕНИЕ - Обозначает чрезвычайно опасную ситуацию. Если не соблюдать это указание, то могут быть причинены тяжелые необратимые или смертельные травмы.
ВНИМАНИЕ - Обозначает опасную ситуацию. Если не соблюдать это указание, то могут быть причинены легкие травмы или травмы средней тяжести.

Электрическое подключение: (панель в нижней части)

PA 1/ PA 5



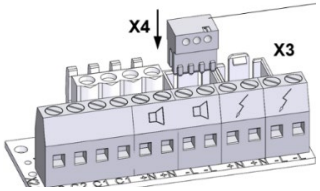


Внешний выбор звукового тона (полярность смотри **S1B**)

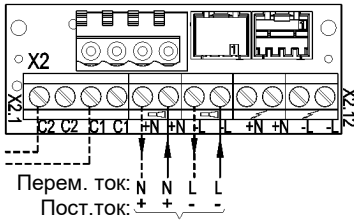
Подключение рабочего напряжения

PA X 1-05 / PA X 5-05 /..10

Совместное подключение лампы-вспышки и излучателя звука (Заводская установка)



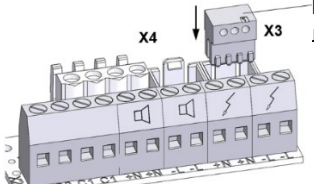
Штекер от платы лампы-вспышки



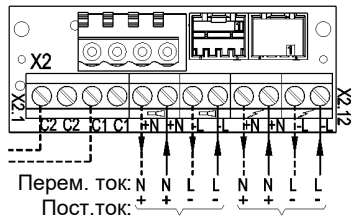
Внешний выбор звукового тона (полярность смотри **S1B**)

Подключение рабочего напряжения

Раздельное подключение лампы-вспышки и излучателя звука



Штекер от платы лампы-вспышки



Внешний выбор звукового тона (полярность смотри **S1B**)

Подключение рабочего напряжения для излучателя звука

Подключение рабочего напряжения для лампы-вспышки

Настройки и выбор звукового тона (плата в верхней части)

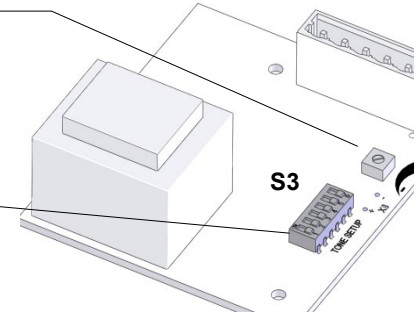
S1B S1A + ○ ○ - ■	Диод не перемкнут Полярность отрицательная **Заводская установка**
S1B S1A + ○ ○ - ○	Диод не перемкнут Полярность положительная
S1B S1A + ○ ■ - ■	Диод перемкнут Полярность отрицательная
S1B S1A + ■ ○ - ○	Диод перемкнут Полярность положительная

Постоянный ток/ 48 В Переменный ток

Регулятор громкости
Указание:
Для соответствия EN54-3 регулятор громкости должен находиться в максимальном положении.

S3 Переключатель звуковых тонов

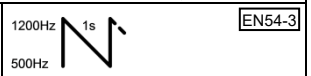
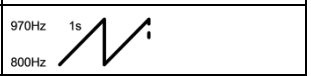
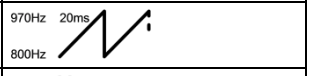
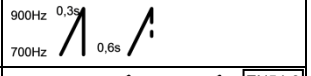
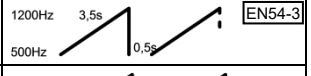
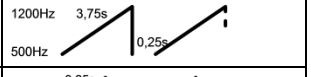
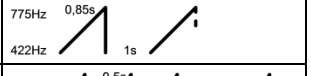
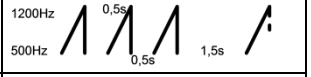
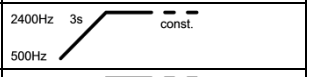
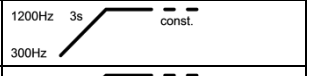
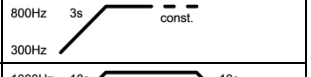
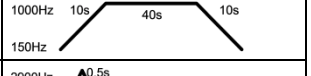
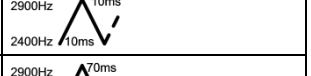
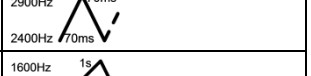
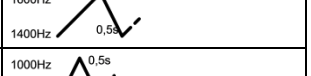
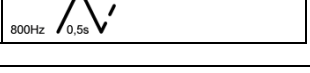
Переменный ток

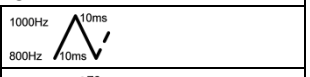
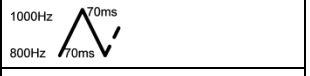
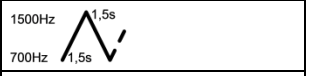
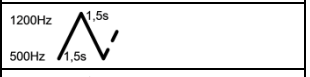
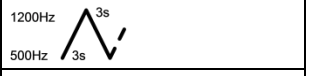
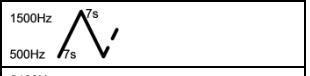
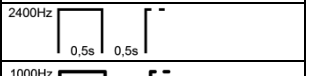
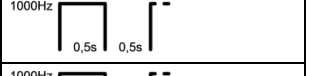
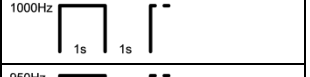
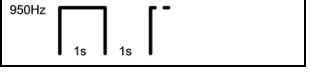


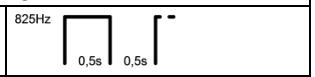
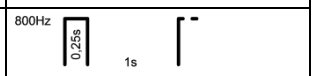
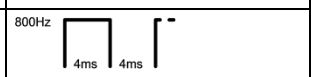
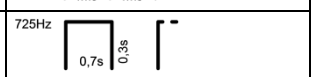
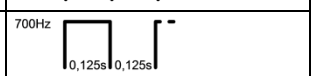
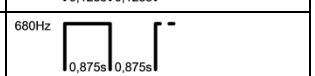
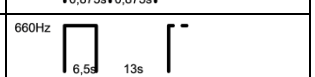
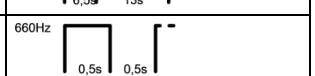
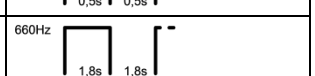
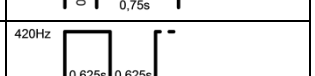
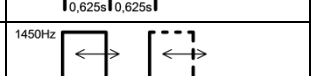
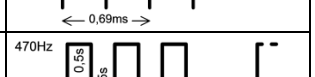
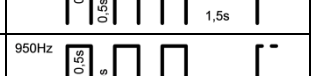
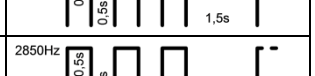
S1B: Выбор полярности управляющего напряжения для C1 и C2 (внешнее управление)
S1A: Перемыкание встроенного защитного диода от инверсии полярности

Необходимый звуковой тон можно выбрать с помощью переключателя звуковых тонов **S3**. После подачи напряжения питания генерируется звуковой тон. Полная таблица звуковых тонов находится в приложении. Для внешнего управления другими звуковыми тонами смотри цифровое руководство по эксплуатации, источник: www.pfannenberg.com/manuals

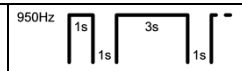
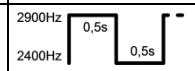
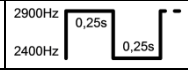
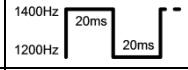
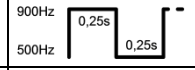
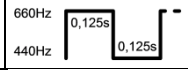
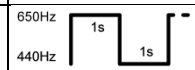
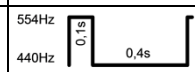
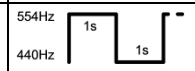
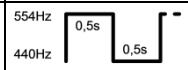
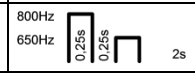
Tonartentabelle/ Tone table/ Tableau de sons/ Tabella suoni/ „Таблица звуковых тонов“

Grund-Ton-Nr. (♪)	Beschreibung/ Description/ Descrizione/ Описание	
1	Kein Ton/ Silence/ Pas de son/ Nessun suono/ Нет звукового тона	
2*	Saw tooth, Germany DIN 33404-3 (emergency signal), PFEER PTAP	 EN54-3
9	Slow whoop, fire alarm, UK BS5839-1	
11	Whoop (fast)	
13	Whoop	
15	Slow whoop, evacuation, Netherlands NEN 2575	 EN54-3
16	Slow whoop, evacuation Australia AS2220	
18	Slow whoop, NFPA	
22	Whoop, Australia AS1670, ISO8201	
23	Siren	
24	Siren	
25	Siren	
26	Industrial alarm (Germany)	
27	Sweeping	
29	Sweeping (fast)	
30	Sweeping	
31	Sweeping, France NF C 48-265	
33	Sweeping, UK BS5839-1 (medium sweep)	

(♪)	Beschreibung/ Description/ Descrizione/ Описание	
34	Sweeping (fast)	
35	Sweeping, UK BS5839-1 (fast sweep)	
36	Sweeping	
43	Sweeping	
44	Sweeping, IMO 3d, Germany KTA3901 evacuation	
45	Sweeping	
46	Sweeping, Finland General Alarm	
52	Continuous	2400Hz
53	Continuous	2000Hz
54	Continuous, Finland All Clear	1500Hz
55	Continuous	1200Hz
56	Continuous, PFEER (Gasalarm)	1000Hz
57	Continuous, UK BS5839-1	950Hz
59	Continuous	880Hz
60	Continuous	825Hz EN54-3
61	Continuous	800Hz
63	Continuous	725Hz
65	Continuous, Sweden SS031711 (All Clear)	660Hz
66	Continuous	554Hz
67	Continuous, Germany KTA3901 (All Clear)	500Hz
68	Continuous	470Hz
69	Continuous	440Hz
71	Continuous	340Hz
77	Intermittent	
82	Intermittent, PFEER (General Alarm), UK BS5839-1 (Back-up Alarm)	
83	Intermittent, PFEER (General Alarm)	
88	Intermittent	

(♪)	Beschreibung/ Description/ Descrizione/ Описание	
90	Intermittent	
91	Intermittent	
92	Intermittent	
93	Intermittent (fast), electromechanical horn	
97	Intermittent	
98	Intermittent, Sweden SS 031711 (Imminent Danger)	
100	Intermittent, Industrial Alarm (Germany)	
101	Intermittent, Sweden SS031711 (Important Message (Pre Mess))	
102	Intermittent, Sweden SS031711 (Local Warning)	
103	Intermittent, Sweden SS031711 (Air Raid)	
104	Intermittent, Sweden SS031711 (Imminent Danger)	EN54-3
107	Intermittent, Germany KTA3901 (evacuation)	
109	Intermittent, Australia AS2220,AS1610, AS1670	
110	Intermittent (fast variable), Bell	
111	Intermittent, ISO8201 (emergency evacuation signal), USA (evacuation)	
112	Intermittent, ISO8201 (emergency evacuation signal)	
113	Intermittent, ISO8201 (emergency evacuation signal) treble tone	
115	Intermittent, IMO (Telefon Call)	

Anhang/ Appendix/ Annexe/ Appendice/ Приложение

Grund-Ton-Nr. (♪)	Beschreibung/ Description/ Descrizione/ Описание	
116	Intermittent, IMO (abandon ship)	
117	Intermittent, IMO SOLAS III/50 + SOLAS III/6.4 (General Alarm)	
122	Alternating	
123	Alternating	
124	Alternating, Singapore	
125	Alternating	
128	Alternating	
130	Alternating, UK BS5839-1 (Fire Alarm)	
131	Alternating, UK BS5839-1 (Fire Alarm, Level crossing)	EN54-3
135	Alternating, UK BS5839-1 (Fire Alarm, increased urgency – Level crossing)	
142	Alternating	
143	Alternating, Germany Industrial Alarm	
144	Alternating	
146	Alternating, France NFS 32-001 (fire alarm)	EN54-3 
147	Alternating, Sweden SS031711 (turn out)	
148	Alternating, Sweden SS031711 (turn out)	
152	Alternating-intermittent	

Ansteuerung der Töne/ Selection of the tones/ Activation des sons/ Controllo dei toni / Управление звуко-выми тонами

Tonartenschalter/ Selector –switch (Einstellung des Grundtones/ Adjusting the base tone)						External Tone Control			
							C1	C2	C1+C2
1	2	3	4	5	6	Grund-Ton No.(♪)	Tone No.	Tone No.	Tone No.
						1	2	88	57
ON						2 *	128	112	57
	ON					2	26	100	93
ON	ON					2	61	131	112
		ON				9	57	11	82
ON		ON				15	131	52	112
	ON	ON				16	109	52	56
ON	ON	ON				18	111	57	68
			ON			22	16	109	68
ON			ON			23	131	52	112
	ON		ON			24	131	52	131
ON	ON		ON			25	131	52	92
		ON	ON			26	2	100	93
ON		ON	ON			27	123	52	92
	ON	ON	ON			29	35	52	61
ON	ON	ON	ON			30	27	52	77
				ON		31	131	52	57
ON				ON		33	30	52	35
	ON			ON		34	35	52	93
ON	ON			ON		35	27	52	110
		ON		ON		36	146	67	57
ON		ON		ON		43	131	52	91
	ON	ON		ON		45	2	57	93
ON	ON	ON		ON		52	15	65	82
			ON	ON		54	46	54	131
ON			ON	ON		55	131	52	128
	ON		ON	ON		56	82	35	33
ON	ON		ON	ON		59	143	59	101
		ON	ON	ON		60	131	52	125
ON		ON	ON	ON		65	131	52	93
	ON	ON	ON	ON		66	110	52	107
ON	ON	ON	ON	ON		69	131	52	110
					ON	71	131	52	93
ON					ON	77	61	52	122
	ON				ON	82	131	52	83
ON	ON				ON	83	56	2	82
		ON			ON	88	2	57	128

Tonartenschalter/ Selector –switch (Einstellung des Grundtones/ Adjusting the base tone)						External Tone Control		
						C1	C2	C1+C2
1	2	3	4	5	6	Grund-Ton No. (♪)	Tone No.	Tone No.	Tone No.
ON		ON			ON	90	131	52	125
	ON	ON			ON	91	30	52	110
ON	ON	ON			ON	92	33	52	57
			ON		ON	93	2	128	57
ON			ON		ON	97	2	63	93
	ON		ON		ON	100	131	52	125
ON	ON		ON		ON	101	98	102	65
		ON	ON		ON	103	131	65	147
ON		ON	ON		ON	104	103	65	101
	ON	ON	ON		ON	109	16	52	22
ON	ON	ON	ON		ON	110	131	61	91
				ON	ON	112	2	57	128
ON				ON	ON	113	52	123	104
	ON			ON	ON	115	117	116	44
ON	ON			ON	ON	116	117	93	125
		ON		ON	ON	117	93	116	125
ON		ON		ON	ON	123	27	52	77
	ON	ON		ON	ON	124	53	83	2
ON	ON	ON		ON	ON	130	2	107	67
			ON	ON	ON	131	2	112	57
ON			ON	ON	ON	135	16	56	109
	ON		ON	ON	ON	142	2	54	88
ON	ON		ON	ON	ON	143	59	93	33
		ON	ON	ON	ON	144	110	61	2
ON		ON	ON	ON	ON	146	31	67	57
	ON	ON	ON	ON	ON	148	131	52	92
ON	ON	ON	ON	ON	ON	152	110	61	13

* Werkseinstellung/ Factory setting/ Réglage d'usine/ Impostazione di fabbrica/ Заводская настройка

Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY

Pfannenberg GmbH
Werner-Witt-Straße 1 • D- 21035 Hamburg
Tel.: +49/ (0)40/ 734 12-0
Fax: +49/ (0)40/ 734 12-101
service@pfannenberg.com
http://www.pfannenberg.com