

MILLER[®]

by Honeywell



Miller MightyLite™ Leading Edge Self-Retracting Lifelines

User Instruction Manual Supplement
Supplement de Manuel D'instruction D'utilisateur
Suplemento del Manual de Instrucciones para el Usuario

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Download instruction manuals and product specification sheets at:
www.millerfallprotection.com.

Télécharger les manuels d'instructions et les fiches de spécifications de produits depuis le site :
www.millerfallprotection.com.

Descargue el manual de instrucciones y las hojas de especificación del producto en:
www.millerfallprotection.com.

Use this Miller Leading Edge Self-Retracting Lifeline Instruction Manual Supplement in conjunction with the Miller Self-Retracting Lifelines User Instruction Manual (I267).

⚠ WARNING

All persons using this equipment must read, understand and follow all instructions. Failure to do so may result in serious injury or death. Do not use this equipment unless you are properly trained.

1.0 Purpose

Miller MightyLite™ Leading Edge Self-Retracting Lifelines are specially-engineered retractable units that feature an integral SofStop® LE Shock Absorber designed for leading edge applications. Leading edge applications are those whereby the user is attached to an anchor point which may be at foot level and whereby the lifeline has the potential to go over an edge if the user falls.

2.0 Specifications

Miller Leading Edge Self-Retracting Lifelines are designed for use by **ONE** person only.

For leading edge installation applications, maximum capacity is 310 lbs (140.6 kg), combined tool and body weight, unless labeled otherwise. — **DO NOT EXCEED THIS WEIGHT.**

For overhead installation applications, maximum capacity is 400 lbs (181.4 kg), combined tool and body weight, unless labeled otherwise. — **DO NOT EXCEED THIS WEIGHT.**

Max Total Arrest Distance..... 60 in (1.5m)
(for leading edge installation applications)

Max Total Arrest Distance..... 54 in (1.4m)
(for overhead installation applications)

Max Free Fall Distance..... 24 in (0.6m)

Avg Fall Arrest Force900 lbf (4kN)
(when tested to ANSI Z359.14)

Max Fall Arrest Force1800 lbf (8kN)
(when tested to ANSI Z359.14)

Max Fall Arrest Force900 lbf (4kN)
(when tested to OSHA)



Miller MightyLite™ Leading Edge Self-Retracting Lifelines

Model*	Description	Length	Weight
RL20G-Z7LE/20FT	Leading edge self-retracting lifeline with integral SofStop LE shock absorber—corrosion-resistant stainless steel and aluminum construction with 3/16-in. (5mm) diameter galvanized wire rope lifeline, polyester shock-absorbing pack, steel auto-locking carabiner and tagline	20 ft (6m)	11 lbs (5kg)
RLS30G-Z7LE/30FT		30 ft (10m)	13 lbs (6kg)
RL50G-Z7LE/50FT		50 ft (15m)	24 lbs (11kg)
RL65G-Z7LE/65FT		65 ft (20m)	31 lbs (14kg)

*All models are also available with a Kevlar® SofStop LE shock absorber. Add a "K" to the model number after the "LE" designation (ex. RL20G-Z7LEK/20FT).

3.0 Installation/Use

NOTE: For overhead installation applications, follow the instructions provided in I267--Miller Self-Retracting Lifelines User Instruction Manual. The following requirements, warnings, limitations and instructions pertain to leading edge applications.

Requirements, Warnings & Limitations

- The anchor point must be at the same height or higher than the edge at which a fall might occur.
- The allowable angle of redirection of the lifeline portion of the device at the edge over which a fall might occur (as measured between the two sides formed by the redirected lanyard) shall be at least 90 degrees.
- The potential for a swing fall must be minimized for worker and lifeline protection. The worker must never work on the far side of an opening, opposite the anchor point.
- Miller Leading Edge Self-Retracting Lifelines are specifically designed to reduce forces to both the worker and cable connection that extends beyond a leading edge. Applications for this leading edge retractable include steel decking, concrete and wood surfaces. Despite the wide range of applications for this system, surfaces in contact with the equipment must still be evaluated by a qualified person in regards to creating premature wear and/or failure due to excessive abrasion or cutting of materials.
- Miller Leading Edge Self-Retracting Lifelines may be used with horizontal lifeline systems with special considerations. The leading edge retractable must be capable of travelling well along the length of the lifeline and should remain perpendicular to the worker throughout the course of work. It is recommended that an on-site qualified person evaluate the conditions before installation and use of a Miller leading edge retractable with the horizontal lifeline system.
- Always ensure that there is adequate fall clearance below the work surface and that no swing fall hazards exist. Also ensure that there are no obstructions in the path that the lifeline may follow should a fall occur.
- In the event of a fall, special rescue procedures may be necessary. There must be a rescue plan in place and the means at hand to implement it when using this equipment.

Connecting to the Harness

Always connect the lifeline end snap hook with attached SofStop LE Shock Absorber to the back D-ring of the full-body harness. Verify that the snap hook is completely closed and locked.

WARNING: Never use this device in a reverse configuration whereby the body of the retractable unit is attached to the worker's back D-ring.

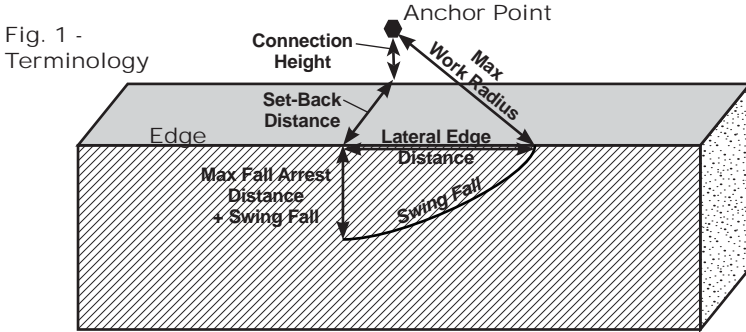
Installing to the Anchorage

NOTE: Overhead mounting of a self-retracting lifeline is typically recommended. However, Miller MightyLite Leading Edge Self-Retracting Lifelines have been specifically designed and extensively tested for horizontal leading edge use. In accordance with ANSI Z359.14, Miller Leading Edge SRLs have been successfully tested for horizontal use and falls over a steel edge without burrs. As a result, these devices may be used in situations where a fall may occur over similar edges, such as found on steel shapes and metal sheeting.

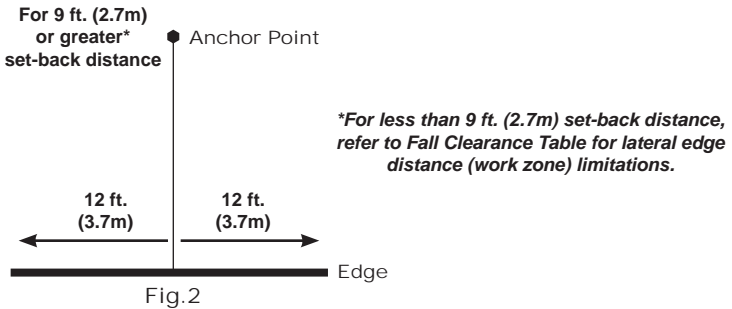
Select an approved mounting location that meets all anchorage requirements, as specified in this instruction supplement and I267--Miller Self-Retracting Lifelines User Instruction Manual.

Honeywell Safety Products generally recommends a minimum set-back distance of 9 ft. (2.7m) from the edge for leading edge installation applications. When using a set-back distance of 9 ft. (2.7m) or greater, the lateral edge distance (work zone) must be limited to 12 ft. (3.7m) from perpendicular to the anchor point (see Fig. 2). Miller Leading Edge Self-Retracting Lifelines may be anchored at a set-back distance less than 9 ft. (2.7m) as long as the worker remains within the set lateral edge distance/work zone limits as specified in the Fall Clearance Table. These guidelines are designed to ensure maximum worker safety by minimizing potential free fall and swing fall and reducing the need for excessive fall clearance. Refer to the diagrams below and the fall clearance section of this manual for further clarification.

LEADING EDGE APPLICATION DIAGRAM



OVERHEAD VIEW OF LEADING EDGE APPLICATION



Install the leading edge self-retracting lifeline to the approved anchorage/anchorage connector by the anchorage attachment using a locking carabiner or other Honeywell approved connector. Verify that the snap hook is completely closed and locked.

4.0 Fall Clearance

Overhead Applications

When a Miller Leading Edge Self-Retracting Lifeline is used in an overhead application, use the standard fall clearance calculation method included in I267--Miller Self-Retracting Lifelines User Instruction Manual.

NOTE: It is not necessary to include additional fall clearance for the SofStop LE Shock Absorber as it will not deploy when subjected to fall arrest forces when the unit is anchored overhead.

Leading Edge Applications

When a Miller Leading Edge Self-Retracting Lifeline is used in a leading edge application, use the table below to determine required fall clearance.

Leading Edge Self-Retracting Lifeline -Fall Clearance Table-							
Set-Back Distance	Lateral Edge Distance (Work Zone Limits)						
	0 ft. (0m)	2 ft. (0.6m)	4 ft. (1.2m)	6 ft. (1.8m)	8 ft. (2.4m)	10 ft. (3m)	12 ft. (3.7m)
1 ft. (0.3m)	13 ft. (3.96m)	14.2 ft. (4.33m)	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx
2 ft. (0.6m)	13 ft. (3.96m)	13.8 ft. (4.21m)	15.5 ft. (4.72m)	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx
3 ft. (0.9m)	13 ft. (3.96m)	13.6 ft. (4.15m)	15 ft. (4.57m)	xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx
4 ft. (1.2m)	13 ft. (3.96m)	13.5 ft. (4.11m)	14.7 ft. (4.48m)	16.2 ft. (4.94m)	xxxxxxx	xxxxxxx	xxxxxxx
5 ft. (1.5m)	13 ft. (3.96m)	13.4 ft. (4.08m)	14.4 ft. (4.39m)	15.8 ft. (4.82m)	xxxxxxx	xxxxxxx	xxxxxxx
6 ft. (1.8m)	13 ft. (3.96m)	13.3 ft. (4.05m)	14.2 ft. (4.33m)	15.5 ft. (4.72m)	17 ft. (5.18m)	xxxxxxx	xxxxxxx
7 ft. (2.1m)	13 ft. (3.96m)	13.3 ft. (4.05m)	14.1 ft. (4.3m)	15.2 ft. (4.63m)	16.6 ft. (5.06m)	xxxxxxx	xxxxxxx
8 ft. (2.4m)	13 ft. (3.96m)	13.2 ft. (4.02m)	13.9 ft. (4.24m)	15 ft. (4.57m)	16.3 ft. (4.97m)	17.8 ft. (5.43m)	xxxxxxx
9 ft. (2.7m)	13 ft. (3.96m)	13.2 ft. (4.02m)	13.8 ft. (4.21m)	14.8 ft. (4.51m)	16 ft. (4.88m)	17.5 ft. (5.33m)	19 ft. (5.79m)
10 ft. (3m)	13 ft. (3.96m)	13.2 ft. (4.02m)	13.8 ft. (4.21m)	14.7 ft. (4.48m)	15.8 ft. (4.82m)	17.1 ft. (5.21m)	18.6 ft. (5.67m)
15 ft. (4.6m)	13 ft. (3.96m)	13.1 ft. (3.99m)	13.5 ft. (4.11m)	14.2 ft. (4.33m)	15 ft. (4.57m)	16 ft. (4.88m)	17.2 ft. (5.24m)
20 ft. (6.1m)	13 ft. (3.96m)	13.1 ft. (3.99m)	13.4 ft. (4.08m)	13.9 ft. (4.24m)	14.5 ft. (4.42m)	15.4 ft. (4.69m)	16.3 ft. (4.97m)
25 ft. (7.6m)	13 ft. (3.96m)	13.1 ft. (3.99m)	13.3 ft. (4.05m)	13.7 ft. (4.18m)	14.2 ft. (4.33m)	14.9 ft. (4.54m)	15.7 ft. (4.78m)
30 ft. (9.1m)	13 ft. (3.96m)	13.1 ft. (3.99m)	13.3 ft. (4.05m)	13.6 ft. (4.15m)	14 ft. (4.27m)	14.6 ft. (4.45m)	15.3 ft. (4.66m)
35 ft. (10.7m)	13 ft. (3.96m)	13.1 ft. (3.99m)	13.2 ft. (4.02m)	13.5 ft. (4.11m)	13.9 ft. (4.24m)	14.4 ft. (4.39m)	15 ft. (4.57m)
40 ft. (12.2m)	13 ft. (3.96m)	13.1 ft. (3.99m)	13.2 ft. (4.02m)	13.4 ft. (4.08m)	13.8 ft. (4.21m)	14.2 ft. (4.33m)	14.8 ft. (4.51m)
45 ft. (13.7m)	13 ft. (3.96m)	13.1 ft. (3.99m)	13.2 ft. (4.02m)	13.4 ft. (4.08m)	13.7 ft. (4.18m)	14.1 ft. (4.3m)	14.6 ft. (4.45m)
50 ft. (15.2m)	13 ft. (3.96m)	13.1 ft. (3.99m)	13.2 ft. (4.02m)	13.4 ft. (4.08m)	13.6 ft. (4.15m)	14 ft. (4.27m)	14.4 ft. (4.39m)
55 ft. (16.8m)	13 ft. (3.96m)	13 ft. (3.96m)	13.1 ft. (3.99m)	13.3 ft. (4.05m)	13.6 ft. (4.15m)	13.9 ft. (4.24m)	14.3 ft. (4.36m)
60 ft. (18.3m)	13 ft. (3.96m)	13 ft. (3.96m)	13.1 ft. (3.99m)	13.3 ft. (4.05m)	13.5 ft. (4.11m)	13.8 ft. (4.21m)	14.2 ft. (4.33m)
65 ft. (19.8m)	13 ft. (3.96m)	13 ft. (3.96m)	13.1 ft. (3.99m)	13.3 ft. (4.05m)	13.5 ft. (4.11m)	13.8 ft. (4.21m)	14.1 ft. (4.3m)

5.0 Inspection

In addition to the inspection procedures outlined in I267--Miller Self-Retracting Lifelines User Instruction Manual, the user must also inspect the integral SofStop LE Shock Absorber pack included in the design of Miller Leading Edge Self-Retracting Lifelines.

Inspecting the Shock Absorber



Inspect the outer portion of the pack for burn holes, tears or deterioration. Inspect for any damage or signs of shock absorber activation. Stitching where the pack is sewn should be examined for loose or broken strands, which may be signs of impact loading. The shock absorber pack and all stitching must be in tact, or the self-retracting lifeline must be removed from service.

If you have any questions about
Miller Leading Edge Self-Retracting Lifelines,
please call Honeywell Technical Service:

1-800-873-5242 (press 4)

Labels

Étiquettes / Etiquetas

LEADING EDGE
 Model/Length: RL20G-Z7LE/20FT
 (Modele/Longueur): Date of Manufacture:
 (Date de Fabrication):
 Lifeline: (Fiilin): 11/01/12
 3/16" Galvanized Cable / Polyester pack



Inspection/Lot No.: 653058
 (No. de Inspección/Lot) 653058
 ANSI Z359.14 Class B OSHA 1926.502, 1910.66
 CSA Z259.2.2.98 [Type 2] ANSI A10.32-2004
 Inspect before each use Expiration Date: See Manual for Inspection.

LB1267 Rev. A

◀Sample Variable Label: This label varies by product model.

NOTE: Compliance with standards varies by product model. Always refer to the variable label on the unit.

◀Modèle d'étiquette variable : cette étiquette varie en fonction du modèle du produit.

REMARQUE : La conformité aux normes varie en fonction du modèle du produit. Toujours se reporter à l'étiquette variable sur l'unité.

◀Etiqueta de muestra variable: Esta etiqueta varía según el modelo del producto.

NOTA: El cumplimiento de los estándares varía según el modelo del producto. Siempre consulte la etiqueta de la variable en la unidad.

MIGHTY L I T E™

PAT. NO. 5,771,993

LEADING EDGE SELF-RETRACTING LIFELINE



CLEAR WINDOW



Contact manufacturer if instruction manual is needed.

SPECIFICATIONS

Max Total Arrest Distance (Distance Totale D'Arrêt Max):
 For Leading Edge Applications: 60 in (1.5m)
 For Overhead Applications: 54 in (1.4m)

Max Free Fall Distance: 24 in (0.6m)

Max Capacity (Capacité Max):
 For Leading Edge Applications: 310 lbs (140.6kg)
 For Overhead Applications: 400 lbs (181.4kg)
 [130 lbs-310 lbs - ANSI Capacity Range]


Avg/Max Arrest Force: 900 lbf/1800 lbf (4kN/8kN)
 [when tested to ANSI Z359.14**]

Max Arrest Force (Force D'Arrêt De Chute Max): 900 lbf (4kN)
 [when tested to OSHA]

**Refer to variable label at left for unit compliances.

DO NOT REMOVE THIS LABEL

**REMOVE FROM SERVICE IF
RED APPEARS**




by Honeywell

Franklin, PA U.S.A.
 Toll Free
 800-873-5242

LB1273 Rev. A
 MFP9349662

MIGHTY LITE™

LEADING EDGE SELF-RETRACTING LIFELINE

⚠ WARNING

Manufacturer's instructions supplied with this product at the time of shipment must be followed:
FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH!

- Only for use by ONE person as a personal fall arrester.
- Inspect before each use according to manufacturer's instructions.
- Avoid lifeline contact with anything that will damage it including, but not limited to, sharp, abrasive, rough or high-temperature surfaces, welding, heat sources, electrical hazards, or moving machinery.
- Always test the locking and retraction of this device before each use.
- Allow adequate fall clearance below work surface.
- Device must be taken out of service for inspection and recertification after arresting a fall or when the impact indicator has been activated.

⚠ ADVERTENCIA

Deben seguirse las instrucciones del fabricante provistas con este producto al momento de despacho: **EL NO HACERLO PUEDE RESULTAR EN LESIONES GRAVES O LA MUERTE!** Solo para el uso por UNA SOLA persona como detentor personal contra caídas. El dispositivo debe retirarse del servicio para ser inspeccionado y recertificación luego de haber detenido una caída o cuando se haya activado el indicador de impacto.

⚠ ADVERTISSEMENT

Vous devez respecter les instructions du fabricant que vous avez reçues avec le produit: **DANS LE CAS CONTRAIRE VOUS RISQUEZ DE BLESSURES GRAVES OU MEME LAMORT!** Utiliser seulement par UNE personne comme arrêt de chute personnelle. L'appareil doit être mis hors d'utilisation pour inspection et recertification après avoir arrêté une chute ou lorsque l'indicateur d'impact a été activé.

SAFETY INSTRUCTIONS

BEFORE USING: • Check lifeline retraction—Pull out a min. 4 ft. (1.2m) of lifeline and allow it to retract under light tension. • Check braking action—Grasp lifeline ABOVE load indicator and apply a sharp pull. The brake must engage. Release tension and allow lifeline to retract slowly into the unit. Lifeline must retract completely. • Inspect swivel snap hook load indicator. If red is exposed, remove from service.

INSTALLATION: • See instructions for mounting procedure. • Anchorage and mounting hardware must be capable of supporting a 5,000 lb. (22kN) static load or meet OSHA requirements for a safety factor of two. • This device is approved for vertical overhead installation applications, as well as leading edge applications; for suitability in other installation applications (i.e., lift, horizontal lifeline), refer to instructions.

MILLER

by Honeywell

LB1264 Rev. B
MFP9345918

LB1261 Rev. B

INSPECT BEFORE EACH USE

In leading edge applications, the following restrictions apply:

- A minimum 9 ft. (2.7m) installation set-back from the edge is generally recommended; however, a set-back distance less than 9 ft. (2.7m) is permissible. Refer to Leading Edge SRL instructions for work zone requirements relative to the installation set-back.
- Required fall clearance varies by application. Refer to Leading Edge SRL instructions.

LE SofStop **LEADING EDGE** **MILLER** **SofStop** **LE**
by Honeywell

Miller Self-Retracting Lifelines that include the specially-engineered SofStop LE Shock Absorber are designed for leading edge applications, whereby the user is attached to an anchor point which may be at foot level and whereby the lifeline has the potential to go over an edge if the user falls. In leading edge applications, the following restrictions apply:

MIGHTY LITE™

PAT. NO. 5,771,993

LEADING EDGE SELF-RETRACTING LIFELINE

Max Capacity (Capacité Max):

For Leading Edge Applications: 310 lbs (140.8kg)
For Overhead Applications: 400 lbs (181.4kg)
[130 lbs-310 lbs - ANSI Capacity Range]

Max Total Arrest Distance (Distance Totale)

D'Arrêt Max):
For Leading Edge Applications: 60 in (1.5m)
For Overhead Applications: 54 in (1.4m)

Avgt/Max Arrest Force: 900 lbf/1800 lbf (4kN/8kN)
[when tested to ANSI Z359.14**]

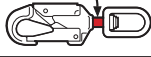
Max Free Fall Distance: 24 in (0.6m)

**Refer to variable label below
for unit compliances.

Max Arrest Force (Force D'Arrêt)
De Chute Max): 900 lbf (4kN)
[when tested to OSHA]

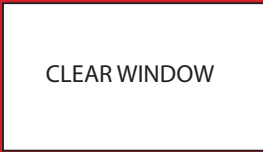


**REMOVE FROM SERVICE IF
RED APPEARS**



Contact manufacturer
if instruction manual
is needed.

DO NOT REMOVE THIS LABEL



CLEAR WINDOW



by Honeywell
Franklin, PA U.S.A.

Toll Free
800-873-5242
LB1272 Rev. A
MFP9349661

LB1263 Rev. B
MFP9349517
by Honeywell



BEFORE USING: • Check lifeline retraction—pull out a minimum of 4 ft. (1.2m) of lifeline and allow it to retract under light tension. • Check braking action—Grasp lifeline ABOVE load indicator and apply a sharp pull. The brake must engage. Release tension and allow lifeline to retract slowly into the unit. Lifeline must retract completely. • Impact

INSTALLATION: • See instructions for mounting procedure. • Anchorage and mounting hardware must be capable of supporting a 5,000 lb. (22kN) static load or meet OSHA requirements for edge applications; for suitability in other installation applications (i.e., lift, horizontal lifeline), refer to instructions.

REMOVE FROM SERVICE: • See instructions for removal procedure. • If red is exposed, remove from service.

SAFETY INSTRUCTIONS

Deben seguirse las instrucciones del fabricante provistas con este producto al momento de despaquetar. EL NO HACERLO puede resultar en LESIONES GRAVES O LA MUERTE. Solo para uso por UNO (SOLA persona como director personal contra caídas. El dispositivo debe retirarse del servicio para ser inspeccionado y reidentificado luego de haber detectado una caída o cuando se haya activado el indicador de impacto.

Vous devez respecter les instructions du fabricant que vous avez reçues avec le produit. DANS LE CAS CONTRAIRE VOUS RISQUEZ DE BLESSURES GRAVES OU MÊME LA MORT. Uniquement pour utilisation par une personne. L'appareil doit être retiré de l'utilisation pour inspection et re-identification après avoir arrêté une chute ou lorsque l'indicateur d'impact a été activé.

ADVERTENCIA

• Only for use by ONE person as a personal fall arrester. • Inspect before each use according to manufacturer's instructions. • Do not allow lifeline to come in contact with any sharp, abrasive, rough or high-temperature, moving machinery, electrical surfaces, welding, heat sources, electrical hazards, or moving machinery.

• Always test the locking and retraction of this device before each use. • Allow adequate fall clearance below work surface. • Device must be taken out of service for inspection and re-identification after arresting a fall or when the impact indicator has been activated.

FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH!

WARNING

Manufacturer's instructions supplied with this product at the time of shipment must be followed.

LEADING EDGE SELF-RETRACTING LIFELINE



ADVERTENCIA

DECUT

ADVERTISSEMENT

Inspection and Maintenance Log

Registre D'inspection et D'entretien

Registro de Inspección y Mantenimiento

DATE OF MANUFACTURE: _____
 DATE DE FABRICATION / FECHA DE FABRICACIÓN

MODELNUMBER: _____
 NUMÉRO DE MODÈLE / NÚM. DE MODELO

DATE PURCHASED: _____
 DATE D'ACHAT / FECHA DE COMPRA

INSPECTION DATE DATE D'INSPECTION FECHA DE INSPECCIÓN	INSPECTION ITEMS NOTED POINTS NOTÉS LORS DE L'INSPECTION PUNTOS DE INSPECCIÓN RELEVANTES	CORRECTIVE ACTION ACTION CORRECTIVE MEDIDA CORRECTIVA	MAINTENANCE PERFORMED ENTRETIEN EFFECTUÉ MANTENIMIENTO REALIZADO
Approved by: Approuvé par: Aprobado por:			
Approved by: Approuvé par: Aprobado por:			
Approved by: Approuvé par: Aprobado por:			
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Toll Free: 800.873.5242

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Honeywell Safety Products
P.O. Box 271, 1345 15th Street
Franklin, PA 16323 USA