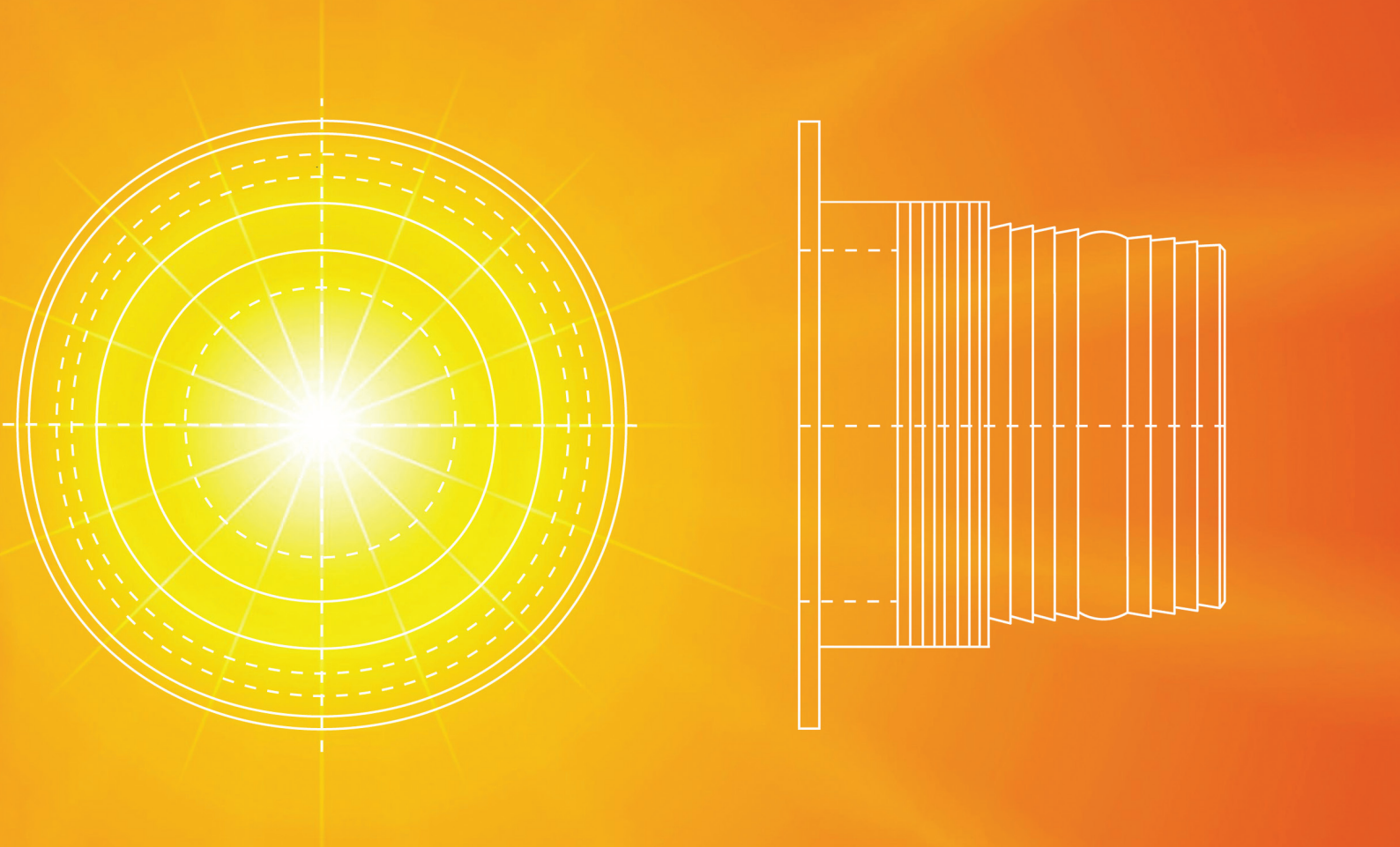


CURTIS INSTRUMENTS, INC.

# Safety & Warning Products



Produits de signalisation


Warn- und Sicherheitsprodukte

Prodotti per la segnalazione e la sicurezza

Productos del cuidado y de seguridad




**CURTIS**

 Curtis Instruments, Inc. is a world-leading supplier of electronic controls and instrumentation to the materials handling and industrial vehicles industries, both for electric- and internal combustion-powered vehicles. These industries rely on the comprehensive range of Curtis safety products to provide visual and audible warnings in the workplace. Curtis technology enhances operator efficiency, while ensuring long vehicle life and trouble-free operation.


The Curtis safety range consists of beacons in all three available technologies: audible alarms to warn of vehicle movement, especially in reverse direction; work lamps including the latest LED technology; and a full range of industry compatible, vehicle mountable CCTV cameras and monitors.

All products have been fully tested and proven to be reliable in Off-Road and Industrial EV applications. Every product carries the Curtis two-year, hassle-free warranty.

 Curtis Instruments est un leader mondial pour les équipements embarqués sur les véhicules industriels et de manutention à traction électrique et à moteur thermique. Ces industries font confiance à Curtis pour sa gamme complète de produits de sécurité. La technologie Curtis améliore la sécurité de l'opérateur avec des produits fiables ayant une longue durée de vie.


La gamme de produits de sécurité Curtis se compose de feux à éclats au xénon, de feux à Led et de gyrophares, d'alarmes sonores de recul, de phares de travail et de CCTV adaptés aux besoins des véhicules et équipements industriels.

Tous nos produits ont été testés et homologués selon les normes applicables aux différents équipements. Chaque produit est couvert par la garantie Curtis de deux ans.

 Curtis Instruments, Inc. ist ein weltweit führender Anbieter elektronischer Steuerungen und Instrumente für elektrisch und mit Verbrennungsmotor betriebene Fahrzeuge in industriellen Bereichen und im Materialtransport. Diese Marktsegmente nutzen Curtis' umfassendes Sortiment an Sicherheitsprodukten für visuelle und akustische Warnungen in ihren jeweiligen Arbeitsumgebungen. Curtis' Technologien verbessern die Bedieneffizienz, tragen zu einer langen Nutzungsdauer der Fahrzeuge und zum problemlosen Betrieb bei.


Das Curtis-Sicherheitsortiment umfasst Signalanlagen in allen drei verfügbaren Technologien: akustische Alarmer, die vor Fahrzeugbewegungen warnen, und hier vor allem beim Rückwärtsfahren; Warnleuchten, einschließlich der neuesten LED - Technologie; sowie eine komplette Reihe industriekompatibler, auf Fahrzeugen angebrachter Fernsehüberwachungskameras und der zugehörigen Monitore.

Alle Produkte wurden umfassend getestet und haben sowohl bei Geländeanwendungen als auch bei Anwendungen mit Elektrofahrzeugen in der Industrie ihre Zuverlässigkeit unter Beweis gestellt. Jedes der Produkte ist durch Curtis' problemlose 2-Jahres-Garantie geschützt.

 La Curtis Instruments, Inc. è fornitore leader a livello mondiale di controlli elettronici e strumentazioni per la movimentazione di materiali e veicoli industriali, sia elettrici che a combustione interna. Tale segmento di mercato conta sulla vasta gamma di prodotti Curtis per la sicurezza, al fine di fornire segnalazioni visive ed acustiche in luoghi di lavoro. La tecnologia Curtis aumenta l'efficienza dell'operatore mentre assicura una lunga durata del veicolo ed un funzionamento perfetto.

La gamma di prodotti per la sicurezza Curtis comprende segnalatori appartenenti a ciascuna delle tre tecnologie disponibili; segnalatori acustici di veicoli in movimento, specie in retromarcia; fari prodotti secondo la tecnologia LED di ultima generazione; e una gamma completa di videocamere e monitor per sistemi televisivi di sorveglianza installabili sul veicolo, compatibile con il sistema industriale.

Tutti i prodotti sono stati interamente testati e sono risultati altamente affidabili per l'impiego su fuoristrada e su veicoli elettrici industriali. Ogni prodotto è coperto da garanzia Curtis della durata di due anni.

 Curtis Instruments, Inc. es un proveedor líder mundial de controles electrónicos e instrumentación para vehículos de manipulación de mercancías y vehículos industriales, tanto eléctricos como de combustión interna. Estos sectores industriales confían en la amplia gama de productos de seguridad de Curtis a la hora de proporcionar advertencias acústicas y visuales en el entorno de trabajo. La tecnología de Curtis permite aumentar la eficiencia de los operadores, así como alargar la vida útil del vehículo y permite operarlo sin ningún tipo de problema.

La gama de productos de seguridad de Curtis está compuesta de dispositivos de balizamiento con los tres tipos de tecnologías existentes: alarmas acústicas para advertir del movimiento del vehículo, especialmente marcha atrás; dispositivos de señalización luminosa que incluyen la tecnología LED más avanzada y una amplia gama de cámaras y monitores CCTV de montaje en vehículo y compatibles con el uso industrial.

Todos los productos han sido sometidos a pruebas exhaustivas y han demostrado su fiabilidad en vehículos off-road y vehículos eléctricos de uso industrial. Curtis ofrece para todos los productos una garantía completa de dos años.

BEACONS

The Curtis range of beacons incorporates all conventional technology types to offer the most comprehensive range.

- Rotating beacons utilise the benefits of free-form optics to increase light output by 20%.
- Xenon beacons incorporate an extra tough housing to increase resilience.
- LED beacons provide low power consumption and low maintenance.
- Alternate mounting configurations and lens colours available.



FEUX DE BALISAGE

La gamme Curtis propose tous les types de technologies conventionnelles, afin d'offrir le plus large choix possible.

- Les gyrophares sont équipés d'optiques augmentant de 20% la puissance lumineuse.
- Les feux à éclats au xénon sont dotés d'une embase et d'un capot très résistants accroissant leur robustesse.
- Les feux à Led associent basse consommation et faible entretien.

WARNLEUCHTEN

Innovative Technologien für alle Anwendungsbereiche. Curtis Instruments bietet eine umfassende Palette an Optischen Warnsystemen.

- Halogen Rundumkennleuchten nutzen die Vorteile der "Free-Form Optics." Die Lichtleistung wird um mindestens 20% erhöht.
- Xenon Technologie, extra robuste Gehäuse, und hohe Vibrationsfestigkeit erhöhen die Lebensdauer.
- LED-Technologie bietet niedrigen Stromverbrauch, geringe Wartungskosten und hohe Lebensdauer.

FARI

Il range dei prodotti Curtis comprende tutti i tipi di lampeggianti convenzionali.

- i lampeggianti rotanti utilizzano i vantaggi dell'ottica a forma libera, aumentando il rendimento luminoso del 20%.
- i lampeggianti allo Xenon sono extra resistenti con alta flessibilità applicativa.
- i lampeggianti a LED offrono un basso consumo energetico nonché una manutenzione minima.

FAROS

La gama de faros de Curtis incluye todos los tipos de tecnología convencional para ofrecer la más amplia gama.

- Los faros rotativos utilizan los beneficios de un diseño capaz de incrementar la luminosidad por 20%.
- Los faros destellantes incorporan un diseño sólido que maximiza la resistencia.
- Los faros LED garantizan un consumo energético y mantenimiento mínimos.



= Pitch Circle Diameter | Diamètre passant par les axes de fixation pour un montage panneau | Befestigungslochkreisdurchmesser | diametro passante dai fori di fissaggio per il montaggio su pannello | diámetro entre puntos de fijación



= Approvals | Agréments | Zugelassen | Certificazioni | Aprobaciones



= Height | Hauteur | Höhe | Altezza | Altura



= Width | Largeur | Breite | Larghezza | Anchura



= Flashes per minute | Éclairs par minute | Blitze pro minute | Lampeggiamenti al minuto | Flashes por minuto



= Amps | Ampère | Ampère | Ampere | Amperios



= Volts | Volt | Volt | Volt | Voltios



= Watts | Watt | Watt | Watts | Vativos



= Decibels | Décibels | Dezibel | Decibel | Decibelios



= 2 Bolt | 2 Boulons | 2 Schrauben | 2 Bulloni | 2 Perno



## ROTATING BEACONS

## Euro Style, 3 Bolt



Part no.	Type
18495700	12V
18495701	24V

- Spring clip for easy bulb change



163mm 55/70W 130mm 150FPM

## Flexi DIN Pole Mount



Part no.	Type
18495702	12V
18495703	24V

- Spring clip for easy bulb change
- Flexible base and low profile design



204mm 55/70W 150FPM

## Polycarbonate Lens

## High Performance, 3 Bolt



Part no.	Type
18495704	12V
18495705	24V

- Spring clip for easy bulb change
- Belt driven rotator



178mm 55/70W 130mm 160FPM

## XENON BEACONS continued

## Multi Voltage, Uni Construction, 3 Bolt, 2W



Part no.	Type
18495807	12-80V

- Bright, multivoltage 2W
- High voltage transient and polarity protection fitted
- Ultra low power consumption



IP65 110mm 130mm 120FPM

## Multi Voltage, 3 Bolt, 2W



Part no.	Type
18495808	12-80V

- Bright, multivoltage 2W
- High voltage transient and polarity protection fitted
- Ultra low power consumption
- European and US mounting options available



IP65 120mm 130mm 75FPM

## Polycarbonate Lens

## Multi Voltage, 3 Bolt, 5W



Part no.	Type
18495809	12-80V

- High voltage transient and polarity protection fitted
- Ultra low power consumption



IP65 120mm 130mm 75FPM

## XENON BEACONS

## Dual Voltage, 3 Bolt, 2W



Part no.	Type
18495800	12/24V

- Very low power consumption
- High voltage transient and polarity protection fitted



IP65 120mm 130mm 75FPM

## Dual Voltage, 3 Bolt, 15W



Part no.	Type
18495801	12/24V

- Low power consumption
- High voltage transient and polarity protection fitted



IP65 120mm 130mm 125FPM

## Polycarbonate Lens

## Dual Voltage, Pole Mount, 5W



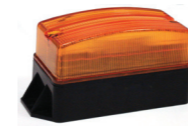
Part no.	Type
18495802	12/24V

- Vibration protected circuit and impact resistant lens
- High voltage transient and polarity protection fitted
- Flexible EVA pole mounting base
- Long life



IP65 175mm 75FPM

## Multi Voltage, Surface Mount, 3W



Part no.	Type
18495810	12-80V

- Designed for material handling and forklift applications



110mm 80FPM 140mm

## Multi Voltage, Low Profile, 3 Bolt, 2W



Part no.	Type
18495811	12-80V

- Low profile 2W
- Ultra low power consumption
- Can be installed lens upwards or inverted



IP65 63mm 130mm 75FPM

## Multi Voltage, 2 Bolt, 4W



Part no.	Type
18133800-0002A	12-80V

- Replacement tube available
- UL approved



138mm 85FPM 86mm

## Dual Voltage, High Performance, 3 Bolt, 15W



Part no.	Type
18495803	12/24V

- High powered with high performance optics
- High voltage transient and polarity protection fitted
- Synchronise up to 4 beacons



170mm 130mm 120FPM

## Dual Voltage, Low Profile, 2 Stud, 2 &amp; 5W



Part no.	Type
18495805	2W 12/24V
18495804	5W 12/24V

- Compact directional with synchronous flash
- Vibration protected circuit



IP67 45mm 75FPM 45mm

## Dual Voltage, Rear Warning, 3 Bolt, 5W



Part no.	Type
18495806	12/24V

- Low profile directional
- Up to 8 beacons may be connected to flash synchronously or alternately



IP65 63mm 130mm 75FPM



## Multi Voltage, 3 Bolt, 4W US Style



Part no.	Type
18495813	12-80V

- Universal mounting
- UL approved



IP65 94mm 118mm-130mm 70FPM

LED BEACONS

Dual Voltage, Amber, Uni-Directional, Bracket Mount



Part no. Type  
18495901 | 12/24V

- Quad flash LED directional
- Multiple beacons can be connected for synchronous or alternate flash



Dual Voltage, Amber, Uni-Directional, Surface Mount



Part no. Type  
18495902 | 12/24V

- Quad flash LED directional
- Multiple beacons can be connected for synchronous or alternate flash



Dual Voltage, Amber, Uni-Directional, Universal Mount



Part no. Type  
18495903 | 12/24V

- Surface or bracket mount LED directional
- Triple flash
- Multiple beacons may be connected together to provide synchronous or alternate flash patterns



Polycarbonate Lens

Dual Voltage, Amber, Uni-Directional, 3 Bolt



Part no. Type  
18495904 | 12/24V

- Low profile LED directional
- Up to 8 beacons may be connected to flash synchronously or alternately
- Clear lens with amber LEDs



Tri Voltage, Single Bolt



Part no. Type  
18495906 | 12-36V

- 4 flash



Tri Voltage, 3 Bolt



Part no. Type  
18495907 | 12-36V

- 4 flash



LED BEACONS continued

Tri Voltage, Magnetic Base



Part no. Type  
18495908 | 12-36V

- 4 flash



Multi Voltage, Amber, 3 Bolt



Part no. Type  
18495909 | 12-80V

- Clear lens with amber LEDs
- Bright 6 flash



Multi Voltage, Low Profile, 3 Bolt



Part no. Type  
18495910 | 12-80V

- Low profile LED beacon
- Can be installed lens upwards or inverted



Polycarbonate Lens

Multi Voltage, 2 Bolt



Part no. Type  
18133901-0002A | 12-80V

- 3W LED
- UL approved

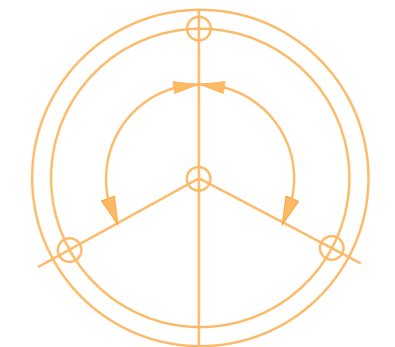
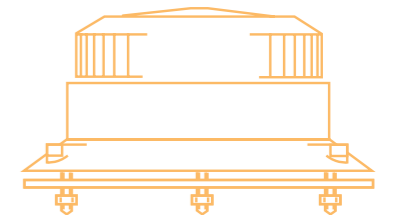
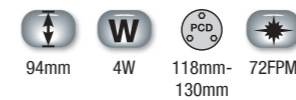


Multi Voltage, US Style, 3 Bolt



Part no. Type  
18133901-0001A | 12-80V

- Universal mounting
- UL approved



BEACON ACCESSORIES

 18495950	 18495951	 18495952	 18495953
 18495959	 18495960	 18495961	 18495963

BEACON ACCESSORIES continued

 18495954	 18495955	 18495957	 18495958
 18495962	 18495964	 18495965	 12V: 18495966 24V: 18495967

## WORKLAMPS

Curtis worklamps offer a robust and durable solution for illuminating work spaces in demanding environments. A combination of styles and light source technology ensures that the Curtis range is ideal for the application.



## PHARES DE TRAVAIL

Les phares de travail Curtis offrent une solution robuste et durable pour l'éclairage des zones de travail. La gamme Curtis convient à toutes les applications en combinant style et technologie.

## ARBEITSSCHEINWERFER

Curtis Arbeitsscheinwerfer mit Halogen oder LED Technologie. Die robuste Ausführung in Kunststoff oder gummiertem Gehäuse ermöglicht fast jede Anwendung.

## LAMPADA DA LAVORO

Le lampade da lavoro Curtis offrono una soluzione robusta e duratura per illuminare le aree di lavoro anche negli ambienti più critici. Una combinazione di stili unitamente alla tecnologia della sorgente luminosa, garantisce la gamma ideale per tutte le applicazioni.

## LUCES DE TRABAJO

Las luces de trabajo Curtis ofrecen una solución sólida y durable para iluminar los espacios de trabajo en ambientes de trabajo difíciles. Una combinación de estilos y de tecnología de fuente de luz que hacen de la gama de Curtis los productos ideales para esta aplicación.

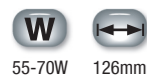
## WORKLAMPS

## Round Rubber



Part no.	Type
18496800	12/24V

- Rubber housing
- Glass lens



55-70W 126mm

## Square



Part no.	Type
18496801	12V

- Polycarbonate lens



55W 150mm 140mm

## Bracket Mount Square



Part no.	Type
18496802	12V
18496803	24V

- Glass lens
- Deutsch connector



55-70W 154mm 140mm

## WORKLAMPS continued

## Rectangular Dual Reflector



Part no.	Type
18496804	12V
18496805	24V

- Glass lens
- Deutsch connector



55-70W 118mm 170mm

## Horizontal Mount



Part no.	Type
18496806	55W 12V
18496807	70W 24V
18496808	45W 48V
18496809	45W 80V

- Impact and heat resistant
- 20% talc filled polypropylene housing
- Polycarbonate lens flood beam



70mm 140mm

## Vertical Mount



Part no.	Type
18496810	55W 12V
18496811	70W 24V
18496812	45W 48V
18496813	45W 80V

- Impact and heat resistant
- 20% talc filled polypropylene housing
- Polycarbonate lens flood beam



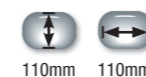
140mm 70mm

## Square Unswitched Micro



Part no.	Type
18496814	55W 12V
18496815	70W 24V
18496816	45W 48V
18496817	45W 80V

- Impact and heat resistant
- Polypropylene housing
- Heavy duty zinc plated bracket can be rotated through 360° and angled through 90°



110mm 110mm

## 8 LED Spot/Flood



Part no.	Type
18496818	Spot
18496819	Flood

- 800 lumens light output
- Stainless steel mounting bracket with single bolt fixing
- Impact resistant polycarbonate lens
- 12-80V



IP67 150mm 78mm

## White LED



Part no.	Type
18496820	12-24V

- Surface or bracket mount



IP69K 72mm 72mm



## ALARMS

The Curtis alarm and buzzer range offers a comprehensive solution to audible warning requirements, many references being independently certified by AMECA to meet SAE J994 specification, the only standard recognised by OEMs worldwide.

## ALARMES

Les alarmes et micro alarmes Curtis répondent à tous les besoins en matière d'alarmes sonores. De nombreuses références sont certifiées conformes à la norme SAE J994 par l'AMECA (Automotive Manufacturers Equipment Compliance Agency), seul standard reconnu au niveau international.

## RÜCKFAHRWARNSYSTEME

Curtis bietet eine umfassende Warnsysteme, zertifiziert nach SAE J994, die einzige Norm, die von Herstellern weltweit anerkannt wird.

## ALLARMI

La gamma Curtis di allarmi e cicalini offre una soluzione ampissima per tutte le esigenze di segnalazioni acustiche, molti sono i prodotti certificati singolarmente dalla AMECA corrispondenti alle specifiche SAE J994, le uniche riconosciute dall'OEMS a livello mondiale.

## ALARMAS

La gama de alarmas de Curtis ofrece una solución completa que satisface los requerimientos de advertencia sonora ya que muchas referencias son independientemente certificadas por AMECA para cumplir con la especificación SAE J994, la cual es la única norma reconocida por todos los fabricantes de equipos originales y autoridades del mundo.



## ALARMS

## ASD Warning Alarm 80dB



Part no.	Type
18496700	Fast pulse
18496701	Slow pulse
18496702	Dual mode
18496703	Loud continuous

- 4-40 screw connection
- 12-48V DC

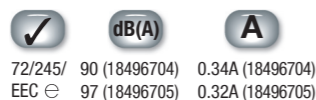


## Audible Alarm 90-97dB



Part no.	Type
18496704	90dB(A) 12V
18496705	97dB(A) 24V

- 300mm lead wires



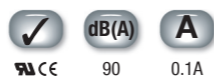
72/245/ 90 (18496704) 0.34A (18496704)  
EEC e 97 (18496705) 0.32A (18496705)

## Mini Alarm 90dB

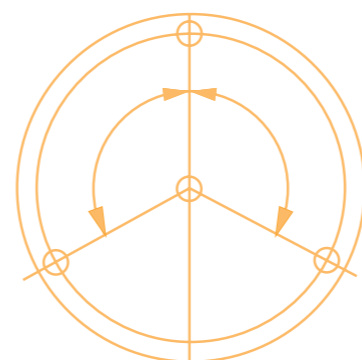


Part no.	Type
18496706	12V
18496707	24V

- 1m lead wire



90 0.1A



## SMART ALARMS

The SMART ALARM reduces noise pollution by adjusting the recognizable reversing sound "BEEP BEEP" every 30 seconds to remain only 5dB above the surrounding noise levels.

La Smart Alarm réduit la gêne sonore en ajustant toutes les 30 secondes son signal sonore de recul «BIP BIP» pour le maintenir de 5dB au-dessus du bruit ambiant.

Der "Smart Alarm" verringert unnötige Lärmbelastung durch automatische Anpassung des Rückfahrsignals auf einen Wert 5dB über der Umgebungslautstärke.

La funzione "Smart" riduce l'inquinamento acustico regolando ogni 30 secondi il livello del suono, affinché lo stesso rimanga superiore ai rumori esterni di soli 5dB.

Smart Alarms permiten reducir la contaminación acústica ajustando automáticamente el BEEP BEEP de la marcha atrás cada 30 segundos para mantener sólo 5dB sobre los niveles de ruido circundantes.

## Electric Vehicle Alarm 87-97dB



Part no.	Type
17208001	97dB(A) 12-48V
17208002	87dB(A) 12-80V

- Specifically designed for electric powered vehicles
- #8-32 UNC terminal studs



87/97

## Medium Duty Alarm 87-97dB

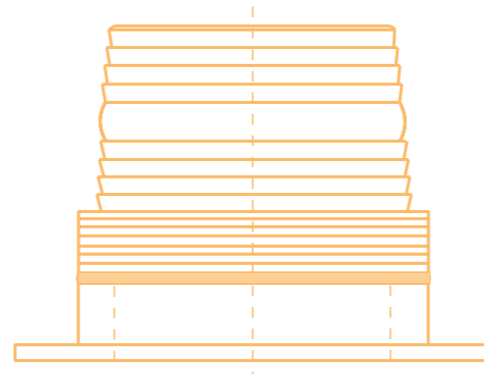


Part no.	Type
1m lead wire:	
18496708	87dB(A)
18496709	97dB(A)
Screw connection:	
18496710	87dB(A)
18496711	97dB(A)

- 12-80V DC (87dB)
- 12-48V DC (97dB)



87/97 0.1A

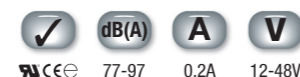


## Medium Duty



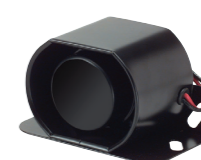
Part no.	Type
18496712	77-97dB

- 1m lead wire



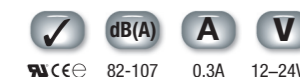
77-97 0.2A 12-48V

## Heavy Duty



Part no.	Type
18496713	82-102dB 12-24V
18496714	82-107dB 48V

- The unique reverse mounted speaker design protects the alarm in demanding environments.
- 450mm lead wire



82-107 0.3A 12-24V and 48V



CCTV

Curtis CCTV combines compact monitors with pin cameras to provide the ideal solution to material handling, forklift and industrial needs. The range is robust and has been tested to the highest standards to ensure that it performs in the most challenging conditions.



CCTV

Combinant écrans de contrôle compacts et caméras miniatures, la CCTV (système de télévision en circuit fermé) Curtis est la solution idéale dans le domaine de la manutention, du chariot élévateur ou pour toutes autres activités industrielles. Les CCTV ont été testées selon les standards les plus exigeants pour garantir leur utilisation dans les conditions les plus dures.

CCTV

Curtis vereint kompakte CCTV (flexible Kameranysteme) Monitore mit unterschiedlichsten Kameraoptionen. Die ideale Lösung für die Bereiche Nutzfahrzeuge und Industrie. Die robuste Ausführung erfüllt höchste Standards, und ermöglicht den Einsatz in unterschiedlichsten Umgebungen.

CCTV

I CCTV Curtis combinano monitors compatti con micro-camere garantendo la soluzione ideale per le esigenze nel campo dei carrelli elevatori e dell'industria. Il livello di robustezza dei prodotti Curtis è stato testato secondo gli standards più elevati per garantirne il funzionamento nelle condizioni più critiche.

CCTV

Los sistemas CCTV de Curtis son una combinación de monitores y cámaras para ofrecer una solución ideal para la manutención, carretillas elevadoras y todas las necesidades de la industria. Es una gama sólida que fue testada con los estándares más altos para garantizar un funcionamiento óptimo incluso en las condiciones más difíciles y exigentes.

CCTV

5.6" Colour Kit



Part no. 18496900

- 5.6" monitor
- In-line controller
- Standard camera
- 20m cable
- 12-24V autoselective

5.6" Colour Kit (2 camera capable)



Part no. 18496901

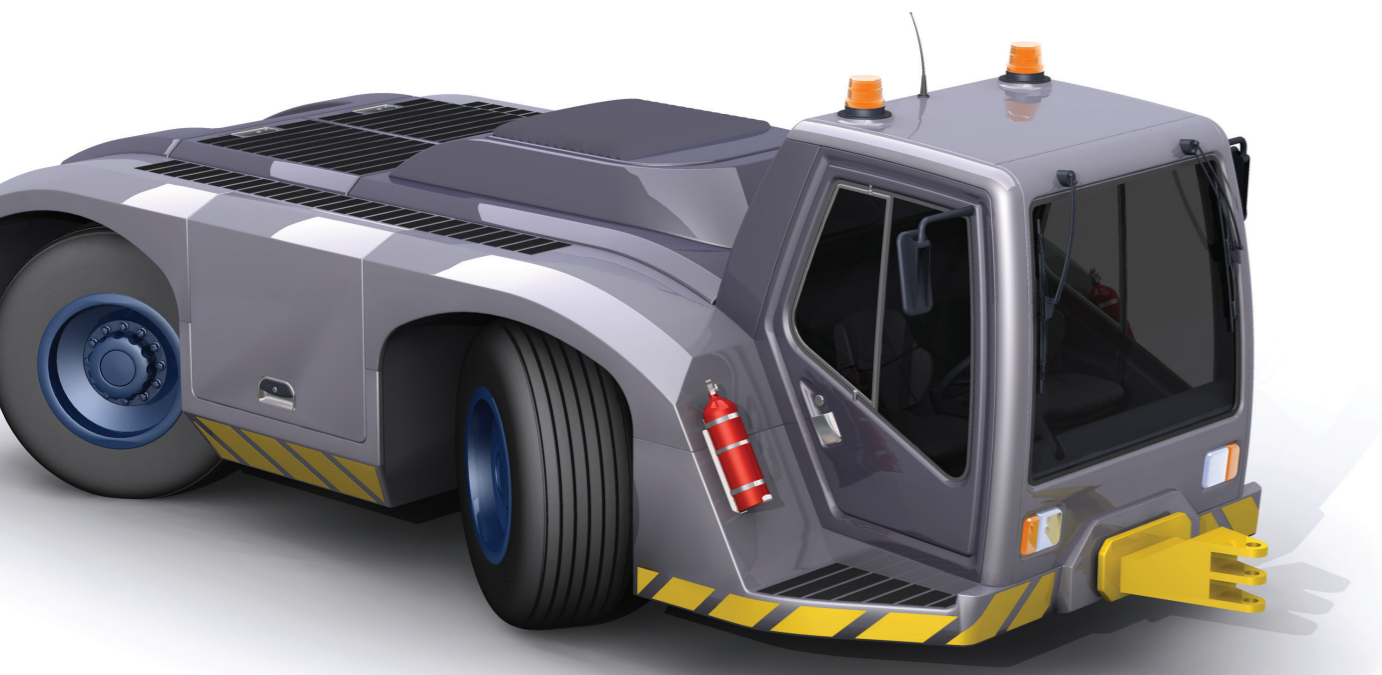
- 5.6" monitor with built-in controller
- Standard camera
- 20m cable
- 12-24V autoselective

IP66 Colour Rated 7" Quad Kit



Part no. 18496902

- IP66 classification
- 7"quad monitor
- Standard camera
- 20m cable
- 12-24V autoselective



OPTIONAL EXTRAS

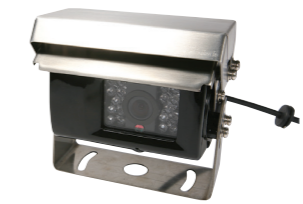
Standard Colour Camera



18496950

- 1/4" Sony CCD technology
- 4 pin connection
- IP68 rated

Shutter Colour Camera



18496951

- 1/4" Sony CCD technology
- 6 pin connection
- Motorized shutter unit
- IP68 rated

Eyeball Colour Camera



18496952

- 1/4" Sony CCD technology
- 4 pin connection
- IP68 rated

Flush Mount Colour Camera



18496953

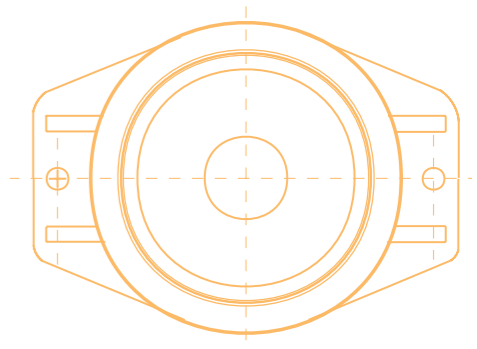
- 1/4" Sony CCD technology
- 4 pin connection
- IP68 rated

Mirror Colour Camera



18496954

- 1/4" Sony CCD technology
- 4 pin connection
- IP68 rated



Cable Retractor



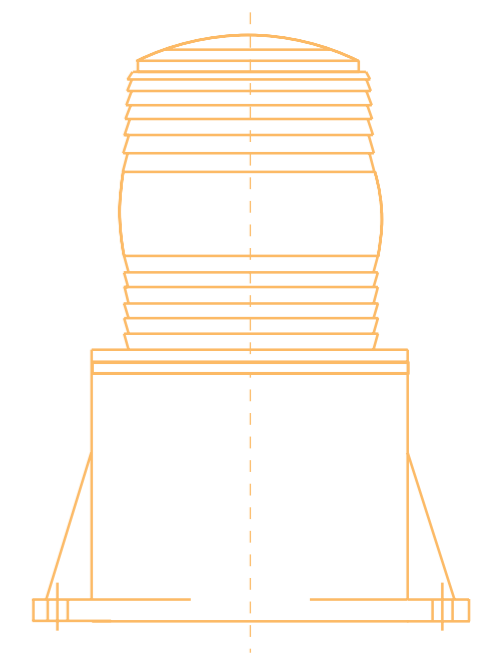
18496955

- Heavy duty spring rewind reel for live electrical cable
- Equipped with 4-way roller assemblies for multiple applications and mountings
- Capacity 10m
- Constant tension
- 4 conductors, 15V / 120V


Additional Cable





- 18496956 - 5m
- 18496957 - 10m
- 18496958 - 15m
- 18496959 - 20m
- 18496960 - 30m





 Curtis Instruments, Inc. has a 50 year history of technological innovation, providing integrated systems and components for all types of electric vehicles in the industrial, materials handling and off-road vehicle markets. Today our extensive range of advanced product offerings includes integrated systems and components such as: EV motor speed controllers, battery chargers, CAN instrumentation, input devices, DC/DC converters, DC contactors, safety beacons and alarms, and many more.

 Curtis Instruments est fier de ses 50 ans d'innovations technologiques dans la fourniture de systèmes intégrés et de composants pour tous les types de véhicules industriels et de manutention. Notre large gamme de produits, à la pointe de la technologie, comprend entre autres : des variateurs de vitesse pour moteurs électriques, des chargeurs de batteries, des instruments de bord, des convertisseurs de tension, des produits pour la signalisation lumineuse et sonore de sécurité.

 Curtis Instruments, Inc. blickt auf 50 Jahre technischer Innovation zurück, in denen das Unternehmen Kunden mit integrierten Systemen und Komponenten für alle Arten von Elektrofahrzeugen in Industrie und Material-Handling sowie für Geländefahrzeuge unterstützt hat. Zu seinem reichhaltigen Sortiment moderner Produkte zählen integrierte Systeme und Komponenten wie zum Beispiel Impulssteuerungen für Elektrofahrzeuge, Batterieladegeräte, CAN-Instrumente, Eingabegeräte, Gleichspannungswandler, Magnetschalter, Sicherheits-Warnsysteme, Alarmer und Vieles mehr.

 Curtis Instruments, Inc. vanta 50 anni di storia di innovazioni tecnologiche nello sviluppo e nella vendita di sistemi integrati e componenti per tutti i tipi di veicoli elettrici, nel settore dell'industria, della movimentazione e dei veicoli fuoristrada. Attualmente la nostra vasta gamma di prodotti all'avanguardia comprende sistemi integrati e componenti quali: dispositivi di controllo di velocità del motore dei veicoli elettrici, caricabatterie, strumentazione CAN, dispositivi di input, convertitori di tensione DC/DC, teleruttori DC, segnalatori disicurezza, allarmi, e molto altro.

 Curtis Instruments, Inc. lleva más de 50 años a la cabeza de la innovación tecnológica, proporcionando componentes y sistemas integrados para todo tipo de vehículos eléctricos en los sectores de los vehículos industriales, de manipulación de mercancías y todoterreno. En la actualidad, nuestra amplia gama de productos avanzados incluye componentes y sistemas integrados tales como: controladores de la velocidad del motor para vehículos eléctricos, cargadores de baterías, instrumentación para redes CAN, dispositivos de entrada, convertidores CC/CC, contactores CC, balizas y alarmas de seguridad, y mucho más.



[www.curtisinstruments.com](http://www.curtisinstruments.com)

## CURTIS WORLDWIDE

### USA

Tel. 1 914 666 2971

### UNITED KINGDOM

Tel. 44 (0) 1604 885201

### GERMANY

Tel. 49 (0) 5251 50014 0

### FRANCE

Tel. 33 (0) 1 53 99 95 40

### ITALY

Tel. 39 0254101214

### SWEDEN

Tel. 46 (0) 302 22500

### BULGARIA

Tel. 359 2 955 98 93

### CHINA

Tel. 86 10 65260683

### HONG KONG

Tel. 852 21103070

### TAIWAN

Tel. 886 2 2910 7250

### KOREA

Tel. 82 11 9472 2015

### JAPAN

Tel. 81 (0) 3 5207 3161

### INDIA

Tel. 91 20 6685 3600



**CURTIS**



1960 • 2010



*Clean & Green*

Specifications are subject to change without notice.

© 2010 Curtis Instruments, Inc. ® Curtis is a registered trademark of Curtis Instruments, Inc.

© The design and appearance of the products depicted herein are the copyright of Curtis Instruments, Inc.

50191 Rev A 9/10