

GROTE™ GUARDIAN SMART SYSTEM



Geofence Gateway



Ultra Nosebox



Hexbox



G7

Add a new dimension of security to your fleet operations with Grote's newest advancement in lighting technology:
The Grote Guardian Smart System

■ REAL-TIME ALERTS

Get real-time alerts about your trailer lighting system sent straight to your smartphone or telematics system. Guardian samples at a rate of up to 100 times per second, measuring both voltage and current to determine when an event has occurred and lets you know immediately.

■ OPTION FOR A GATEWAY DATA NOTIFICATION

Set up a geofence so any time a trailer enters the lot it uploads data to a cloud-based server and generates an email to the maintenance manager with any failures.

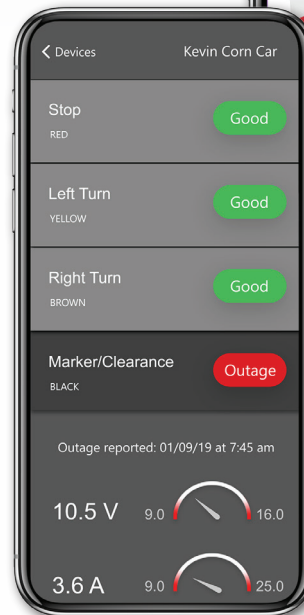
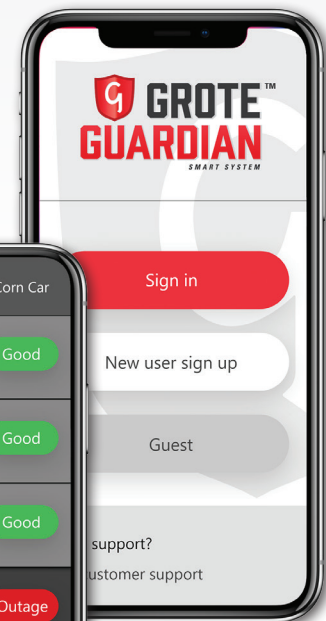
■ THE SYSTEM IS HIGHLY VERSATILE

Simply interface with the trailer via one of three Grote nosebox options, working with LED or incandescent lights for all trailer types.

■ MAXIMIZE SECURITY AND UPTIME

■ MINIMIZE MAINTENANCE COST AND CSA EXPOSURE

Visit Grote.com/Guardian to learn more and watch Guardian in action.



2600 Lanier Drive, Madison, Indiana U.S.A. 47250-0550

U.S. **800.628.0809** Canada **800.268.5612**

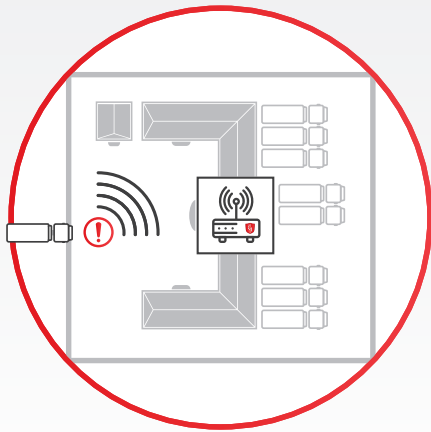
Europe **+49 9422 40331-0** Mexico **+(52) 818262 4412** China **+86.21.5774.9633**

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FOR YOUR FLEET

The Grote Guardian Smart System provides fleet operators with real-time status of their trailer lighting system for both LED and Incandescent lamps, wirelessly monitoring and providing you with real-time alerts, notifications and reports for better fleet control. The results? The ideal combination of increased safety and uptime with decreased maintenance and CSA costs.



SEE WHAT YOU'VE BEEN MISSING

With Grote Guardian's Geofence capabilities, you get data on lighting problems as soon as your trailer enters the yard. The geofence is set up at the fleet location using an easy-to-set-up gateway, creating a virtual boundary that automatically uploads information from Guardian whenever a trailer with the Grote Guardian Smart System enters the lot. Our cloud-based software will automatically generate an email with any fault conditions to be sent to the maintenance manager for the hub.



MEET GROTE GUARDIAN

With the Grote Guardian Smart System, you'll never be caught off guard by a short or burned-out light again.

Our state-of-the-art monitoring system attaches to any type of trailer light - LED or incandescent - and communicates with your smartphone or telematics system to give you real-time status updates.

WIRELESS TRANSMISSION

Once the Grote Guardian Smart System has detected an outage, it then sends fault information through three different methods depending on your preference: to telematics devices, via Bluetooth to our mobile app, available on iOS and Android, or through the use of a geo-fence gateway.



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Améliorez la sécurité des opérations de votre parc grâce aux toutes dernières avancées de Grote en matière de technologie d'éclairage :

Le système intelligent pour remorque Guardian



■ ALERTES EN TEMPS RÉEL

Recevez des alertes en temps réel concernant l'éclairage de votre remorque sur votre téléphone intelligent ou votre système télématique. Guardian échantillonne dix fois par seconde en mesurant la tension et le courant pour déterminer quand un événement s'est produit et vous en aviser immédiatement.

■ OPTION DE TRANSMISSION DES DONNÉES PAR GÉOLOCALISATION

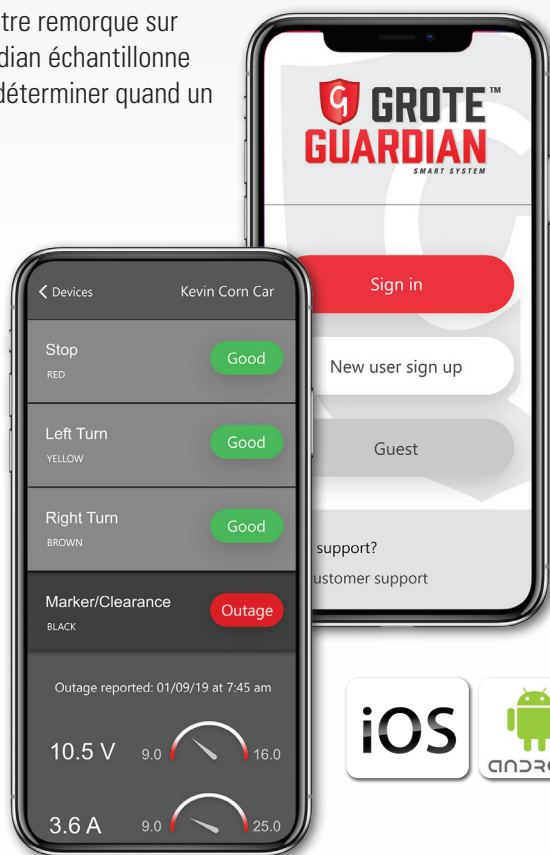
Mettez sur pieds une clôture de géolocalisation pour que chaque entrée de vos unités dans votre lot déclenche le téléversement des données pertinentes vers un serveur de type nuage et ainsi générer un courriel au responsable de l'entretien.

■ SYSTÈME TRÈS POLYVALENT

Il s'intègre facilement à tous types de remorques par un des trois choix de connecteur avant Grote compatible avec les lampes DEL ou incandescentes.

■ MAXIMISE LA SÉCURITÉ ET LA DISPONIBILITÉ

■ MINIMISE LES COÛTS D'ENTRETIEN ET L'EXPOSITION CSA



Visitez Grote.com/Guardian pour en savoir plus et pour voir Guardian à l'action.



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Incrementa la seguridad para la operación de tu flotilla con el más reciente avance en tecnología de iluminación de Grote:

El sistema inteligente Guardián Grote



■ ALERTAS EN TIEMPO REAL

Reciba alertas en tiempo real sobre su sistema de iluminación de remolque enviado directamente a su teléfono inteligente o sistema telemático. Guardian analiza a una velocidad de hasta 100 veces por segundo, midiendo tanto el voltaje como la corriente para determinar cuando ha ocurrido una falla y lo hace saber de inmediato.

■ OPCIÓN DE NOTIFICACIONES POR ZONAS

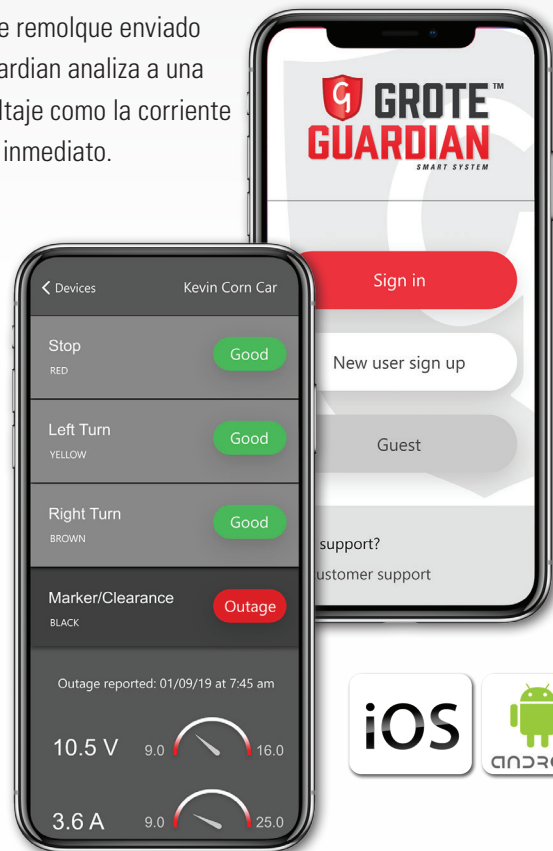
Configure una zona geométrica para que cada vez que un remolque ingrese al lote cargue datos en un servidor basado en la nube y genere un correo electrónico al encargado de mantenimiento de cualquier error generado.

■ SISTEMA ALTAMENTE VERSÁTIL

Simplemente integrándose con el remolque a través de una de las tres opciones de Nosebox Grote que funcionan con luces LED o incandescentes para todos los tipos de remolques.

■ MAXIMIZA LA SEGURIDAD Y LA DISPONIBILIDAD

■ MINIMIZA EL COSTO DE MANTENIMIENTO Y EXPOSICIÓN DE FALLAS



Visita Grote.com/Guardian para aprender más y vé el Guardian en Acción



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