



UZAK

The graphic features a central light blue circle with the word 'UZAK' in bold blue capital letters. This circle is surrounded by two concentric white circles. Four white arrows point outwards from the top, bottom, left, and right of the inner circle. There are also small white plus signs and circles scattered around the central graphic.

Long Range
Initiation System





UZAK Long Range Initiation System General Features

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Developed according to current conditions and needs with its innovative design, UZAK is a versatile wireless initiation system that is able to control the durability of the line and fuse connected to the connection terminals, and send commands to every point from the center of a circular region with a radius of up to 12 km (LOS).





UZAK Long Range Initiation System Set Content

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- 1 transmitter unit and its antenna
- 6 receiver units and their antennas
- Optionally available 1 shock tube unit and its antenna
- 1 charging unit and charging cables (vehicle charging cable, mains supply cable, charging output cable)
- 1 transfer bag
- 1 carrying case



UZAK Long Range Initiation System

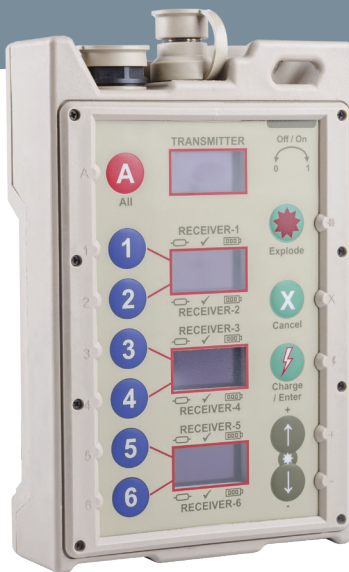
General Features

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-  Radio frequency communication between transmitter and receivers
-  AES128 encrypted communication
-  Communication distance of up to 12 km in line of sight (LOS)
-  Communication distance of up to 1200 m in residential areas (NLOS)
-  Ability to view the battery, fuse and initiation status of the receiver units on the OLED screen on the transmitter
-  Ability to send initiation commands to the receivers individually, in groups or to all of them at the same time



The system consists of 1 transmitter and 6 receiver units.



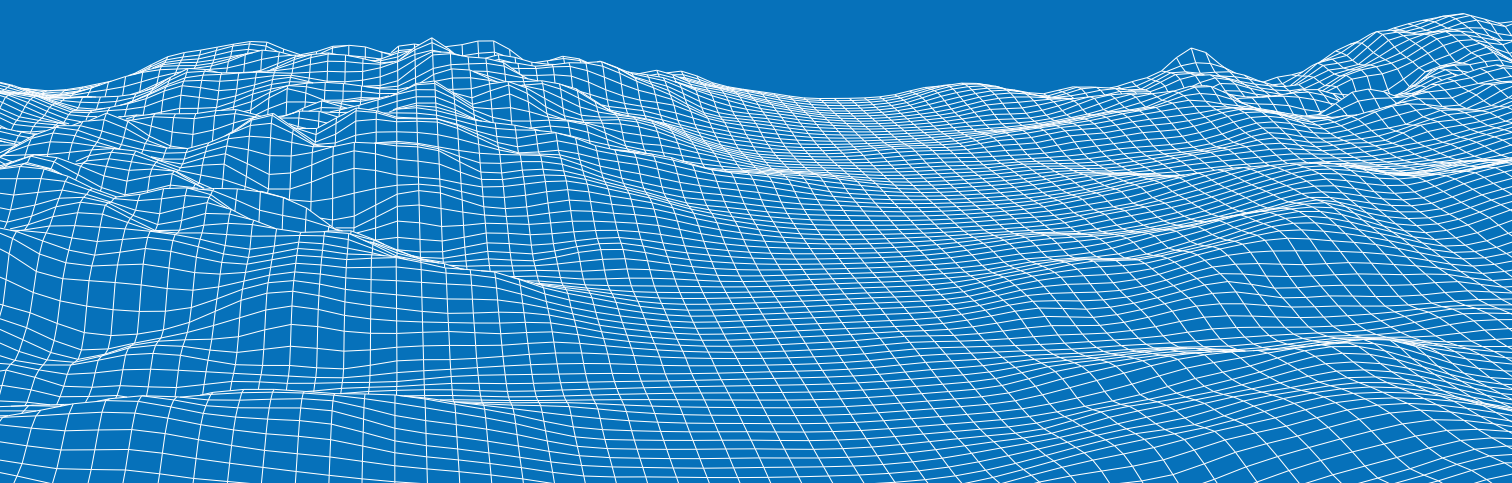


• 1200 meters •





• 12 kilometers •





UZAK Long Range Initiation System Transmitter Unit Features

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Impact, water and dust resistant.



OLED screen with adjustable
brightness feature and
day/night modes



Login with password



Password personalization feature



Ability to define new receivers
instead of lost or damaged ones



Rechargeable battery that can be
charged from the grid or vehicle



Ability to cancel task



Quick change antennas



IP67 impermeability standard



MIL-STD810-G standard



MIL - STD461-G electromagnetic
compatibility standard



-30 / + 55 storage temperature
-20 / + 55 operating temperature



UZAK Long Range Initiation System Receiver Unit Features

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-  Controllable with a command sent only from the identified transmitter
-  Capability to standby for 7 days (168 hours) in standby mode
-  Capability to rapidly reach ignition voltage
-  Parallel and serial multi-fuse initiation capability
-  IP67 impermeability standard
-  MIL-STD810-G standard
-  MIL - STD461-G electromagnetic compatibility standard
-  Rechargeable battery



Highest Level of User Security

Safety switch enabling secure use

Low fuse test current (fuse electrical safety measure)

Electromechanical switch system to break the fuse connection physically for user safety

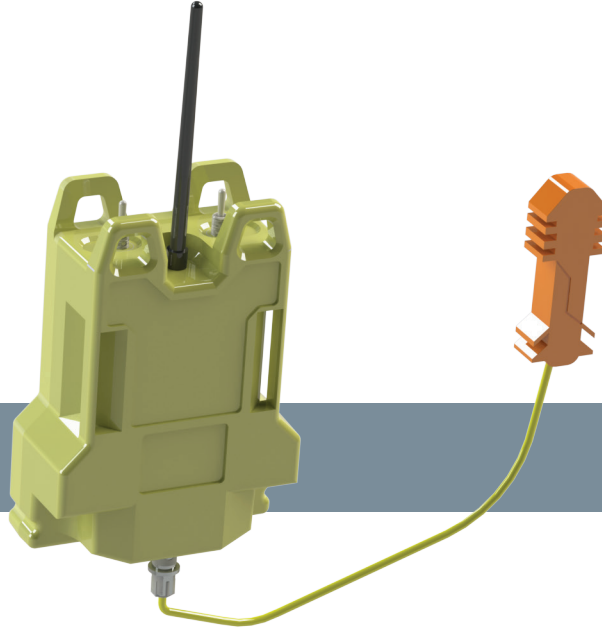
Electronic discharge gear to discharge ignition voltage when receiver is on standby or off.



UZAK Uzaktan Kablosuz Ateşleme Sistemi

Shock Tube Ignition System Features

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Ability to control remotely with the transmitter unit



Ability to ignite the connected shock tube



Remote monitoring of charge, destruction and mission cancellation status of the shock tube ignition system



Ability to define new receivers instead of lost or damaged ones



Remotely controlled prepare for the mission feature



Remotely controlled mission cancellation feature



Remotely controlled destruction feature



IP67 impermeability standard



AES128 encrypted communication



LOS (line of sight) communication up to 10000 meters



NLOS (residential area) communication up to 1000 meters



UZAK Uzaktan Kablosuz Ateşleme Sistemi

Shock Tube Ignition System Features

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Rechargeable battery



User-friendly mechanical interface



Multiple safety measures taken to prioritize user safety



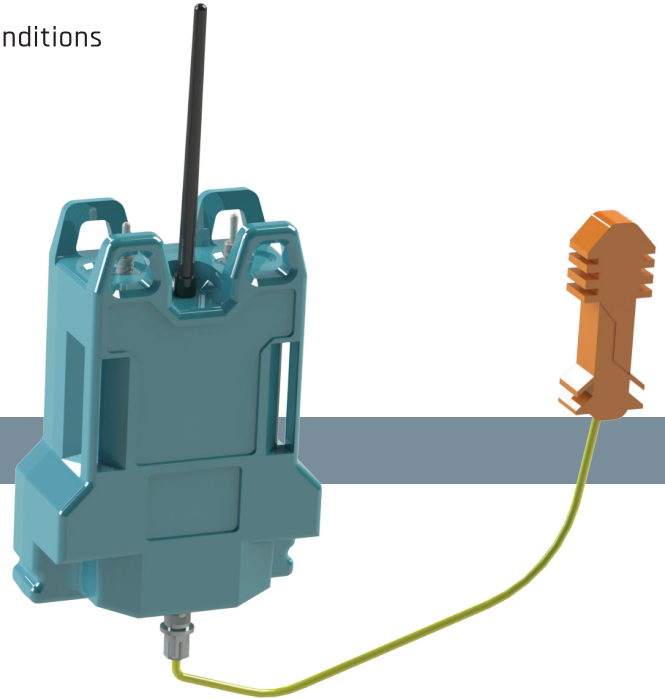
Easily replaceable shock tube connector adapter



Optional 2mm, 3mm or 4mm shock tube connection adapter (depending on user preference)



Durable construction compatible with military conditions



Certificates



IP67 impermeability standard



MIL-STD-810G environmental stress standard



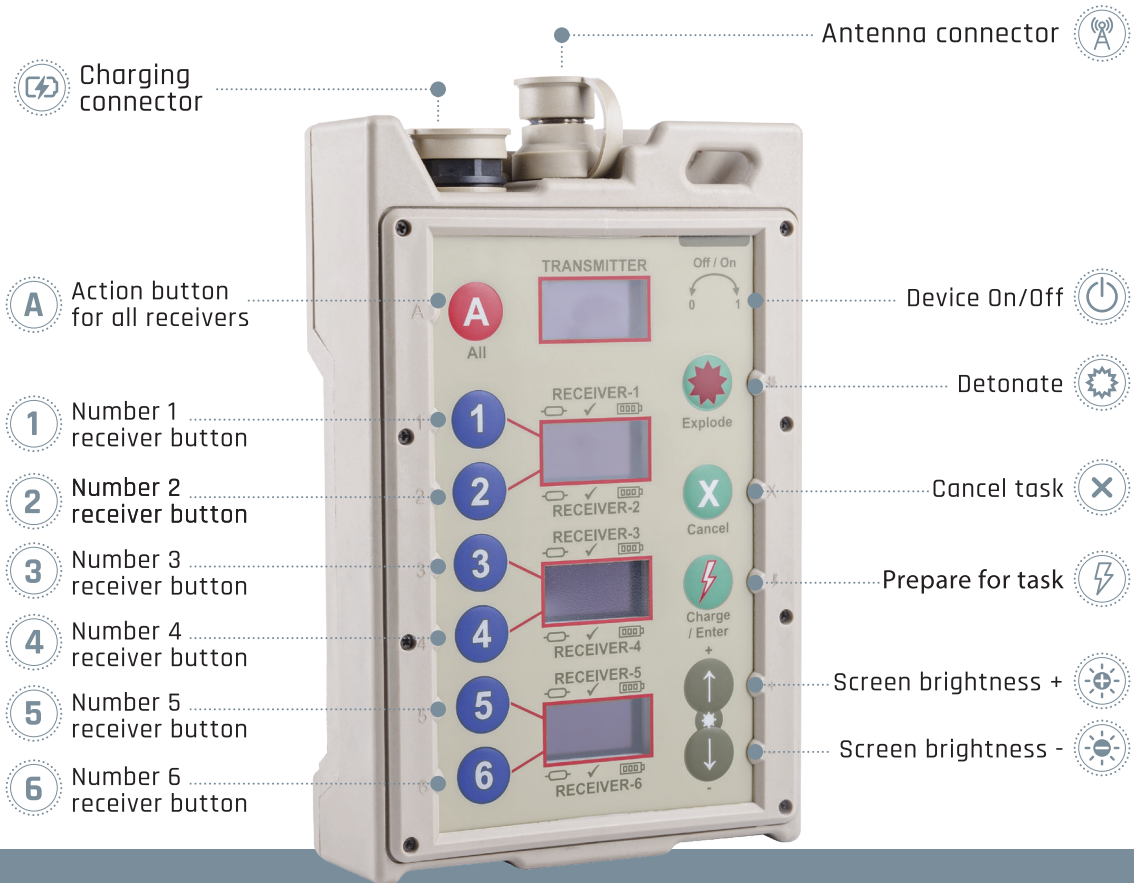
Compatible With Military Conditions!





UZAK Long Range Initiation System Transmitter

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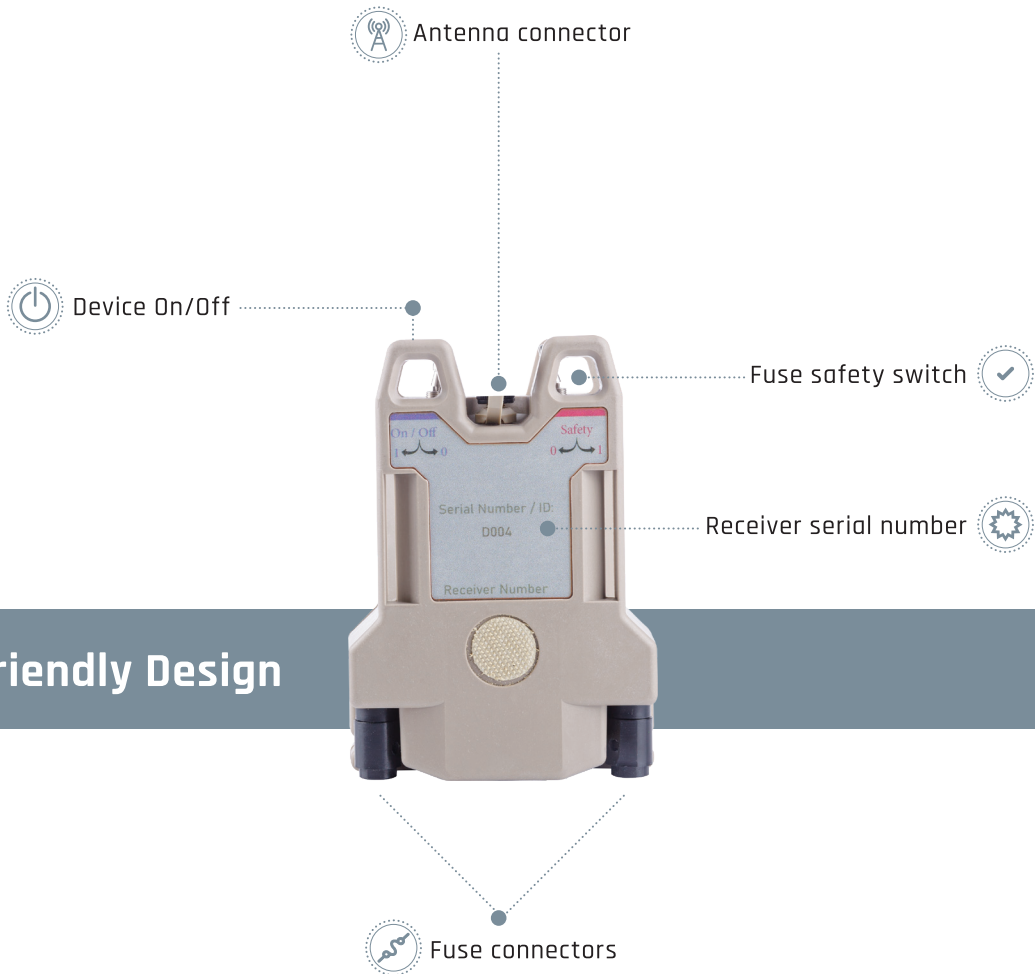
User Friendly Design

The embossed icons on the frame that can be felt with the fingers enables the user to control the transmitter in the dark, under stress or in all situations where the screen cannot be viewed.



UZAK Long Range Initiation System Receiver

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User Friendly Design



UZAK Long Range Initiation System Battery

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User Friendly Design



UZAK Long Range Initiation System Certificates

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CERTIFICATE
Attestation of Conformity

Name and Address of Certificate Holder:
KZ MEKATRONİK SANAYİ VE TİCARET LİMİTED
ŞİRKETİ
YENİ SANAYİ SİTESİ 27. SOKAK NO:32/A KARESİ
BALIKESİR

Certificate Number:
SE-2020-366-01

Date of Issue:
19-08-2021

Expiration Date:
19-08-2021

Test Report Number:
GTL-ENV-T-427/20

Page:
1:of 1

Name and Address of Manufacturer:
KZ MEKATRONİK SANAYİ VE TİCARET LİMİTED
ŞİRKETİ
YENİ SANAYİ SİTESİ 27. SOKAK NO:32/A
KARESİ BALIKESİR

Product Name:
REMOTE CONTROLLED IGNITION DEVICE
RECEIVER UNIT (UZAKTAN KOMUTALI ATEŞLEME
CIHAZI ALICI ÜNİTE)

Model No:
V01A

Test Required:
MILSTD 810G 514.6 Environmental
Engineering Considerations Procedure II
Category 5

The product meets the technical requirement of the above standards and hence fulfills the technical requirements of the following directives.

DoDD Department of Defense Directive

This certificate is only valid for the equipment and configuration described. In conjunction with the test data detailed above and with compliance with all applicable legal requirement for the product.

SIGNATURE





CGSTEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ
Oruçreis Mah. Testkent Cad. Tekstilkent A21 10 1 D2 Esentepe/İstanbul
www.cgstestmerkezi.com



CERTIFICATE
Attestation of Conformity

Name and Address of Certificate Holder:
KZ MEKATRONİK SANAYİ VE TİCARET LİMİTED
ŞİRKETİ
YENİ SANAYİ SİTESİ 27. SOKAK NO:32/A KARESİ
BALIKESİR

Certificate Number:
SE-2020-365-01

Date of Issue:
19-08-2021

Expiration Date:
19-08-2021

Test Report Number:
GTL-ENV-T-427/20

Page:
1:of 1

Name and Address of Manufacturer:
KZ MEKATRONİK SANAYİ VE TİCARET LİMİTED
ŞİRKETİ
YENİ SANAYİ SİTESİ 27. SOKAK NO:32/A
KARESİ BALIKESİR

Product Name:
REMOTE CONTROLLED IGNITION DEVICE
TRANSMITTER UNIT (UZAKTAN KOMUTALI
ATEŞLEME CİHAZI VERİCİ ÜNİTE)

Model No:
V01V

Test Required:
MILSTD 810G 514.6 Environmental
Engineering Considerations Procedure II
Category 5

The product meets the technical requirement of the above standards and hence fulfills the technical requirements of the following directives.

DoDD Department of Defense Directive

This certificate is only valid for the equipment and configuration described. In conjunction with the test data detailed above and with compliance with all applicable legal requirement for the product.

SIGNATURE





CGSTEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ
Oruçreis Mah. Testkent Cad. Tekstilkent A21 10 1 D2 Esentepe/İstanbul
www.cgstestmerkezi.com



UZAK Long Range Initiation System Test Results

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	CGS TEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ KAYSIDAGI MAH. GÜLÇİN SOK. NO:1/1 ATAŞEHİR/İSTANBUL/TÜRKİYE Deney Raporu Test Report	
Müşterinin adı / adresi: Customer name/address	KZ MEKATRONİK SANAYİ VE TİCARET LİMİTED ŞİRKETİ P. Alanı M.Y. Sanayi Sitesi 27. Sok. 32 A. Balıkesir	EMC
Üretici / Üretim Yeri: Manufacturer/Manufacturing Location	KZ MEKATRONİK SANAYİ VE TİCARET LİMİTED ŞİRKETİ PALANI M.Y. SANAYİ SİTESİ 27. SOK. 32 A. BALIKESİR	
İstek Numarası: Order no.	27072020nkl2	
Numunenin Adı ve Tanımı: Name and identity of test item	1911 : Uzaktan Komutlu Ateşleme Çihazı Verici Ünite 1911 : Uzaktan Komutlu Ateşleme Çihazı Verici Ünite	
Numunenin Kabul Tarihi: The date of receipt of test item	17-08-2020	
Açıklamalar: Remarks	Ürün ilgili testlerden geçmiştir. Başka raporla incelenebilir. / The product passes related tests, see report below.	
Deneyin yapıldığı tarih: Date of Test	17-08-2020 to 04-09-2020	
Deneyin Yapıldığı Yeri: Testing Location	Kaysidagi Mah. Gülçin Sok. No:27. Başakşehir/İstanbul	
Deney Standardı: Test Standard	MIL-STD-461G & EN 55032:2015/11/2020	
Raporun Sayfa Sayısı: Number of pages of the Report	36 sayfa/pages	
Tarih: Date	09-09-2020	
Deney Sorumlusu: Person in charge of test	Nalan Koculu KARAKÖÇ	
Laboratuvar Müdürü: Head of Testing Laboratory	Timur GÜSER	
Report No / Rapor No: LVD-144-04 Format No: F101_M_R1.0 KAYSIDAGI MAH. GÜLÇİN SOK. NO:1/1, ATAŞEHİR/İSTANBUL/TÜRKİYE Page / Sayfa: 1 / 36		

	CGS TEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ KAYSIDAGI MAHALLESİ GÜLÇİN SK. NO:2/2 ATAŞEHİR/İSTANBUL/TÜRKİYE Deney Raporu Test Report	
Müşterinin adı / adresi: Customer name/address	KZ MEKATRONİK SANAYİ VE TİCARET LİMİTED ŞİRKETİ P. Alanı M.Y. Sanayi Sitesi 27. Sok. 32 A. Balıkesir-TÜRKİYE	LVD-144-04 08-20
Üreticinin adı / adresi: Manufacturer's name/address	KZ MEKATRONİK SANAYİ VE TİCARET LİMİTED ŞİRKETİ P. Alanı M.Y. Sanayi Sitesi 27. Sok. 32 A. Balıkesir-TÜRKİYE	
İstek Numarası: Order no.	27072020nkl2	
Numunenin Adı ve Tanımı: Name and identity of test item	1911A : Uzaktan Komutlu Ateşleme Çihazı Alıcı Ünite - Remote Command Ignition Device Receiver Unit 1911 : Uzaktan Komutlu Ateşleme Çihazı Verici Ünite - Remote Command Ignition Device Transmitter Unit	
Numunenin Kabul Tarihi: The date of receipt of test item	28-07-2020 to 04-08-2020	
Açıklamalar: Remarks	DGC'ye EN 60068-2-1 & EN 60068-2-2 standartlarına göre testler gerçekleştirilmiştir. Safety tests have been applied to EUT according to EN 60068-2-1 & EN 60068-2-2.	
Deneyin yapıldığı tarih: Date of Test	29-08-2020 to 07-07-2020	
Deney Standardı: Test Standard	EN 60068-2-1:2007 EN 60068-2-2:2007	
Raporun Sayfa Sayısı: Number of pages of the Report	7 sayfa/pages	
Tarih: Date	05-08-2020	
Deney Sorumlusu: Person in charge of test	Timur GÜSER	
Laboratuvar Müdürü: Head of Testing Laboratory	Timur GÜSER	
Report No / Rapor No: LVD-144-04 Format No: F101_M_R1.0 KAYSIDAGI MAHALLESİ GÜLÇİN SK. NO:2/2, ATAŞEHİR/İSTANBUL/TÜRKİYE		

	GNTR ULUSLARARASI BELGELENDİRME, GÖZETİM, EĞİTİM VE DİŞ TİC. LTD. ŞTİ. Çerkeşli OSB Mah. İMES OSB 3B. Cad. 14/2 No:41/2 Dilovası - Kocaeli / TÜRKİYE	
Deney Raporu Test Report		
Müşterinin adı / Adresi: Customer name / address	KZ MEKATRONİK SAN. VE TİC. LTD. ŞTİ. Yeni Sanayi Sitesi 27. Sok. No:32/A Karesi / BALIKESİR	
İstek numarası Order No.	GTI-0538	
Numune Adı ve tanımı Name and identity of the test item	Remote Controlled Ignition Device Transmitter Unit and Remote Controlled Ignition Device Receiver Unit	
Numunenin kabul tarihi The date of receipt of the test item	14.08.2020	
Açıklamalar: Remarks		
Deneyin yapıldığı tarih Date of test	14.08.2020	
Ürün no Sample Number	GTI5-1290-1, GTI5-1290-2	
Uygulanan test Test applied	Loose Cargo	
Raporun sayfa sayısı Number of pages of the report	7	
Deney laboratuvarı akredite faaliyet gösteren GNTR ULUS.BEL.GÖZ.EDT.VE DİŞ.TİC.LTD.ŞTİ. TÜRKAKREDİ AB-1273-1 ile EN ISO17025 standardına göre akredite edilmiştir. GNTR ULUS.BEL.GÖZ.EDT.VE DİŞ.TİC.LTD.ŞTİ. accredited by TÜRKAKREDİ under registration number AB-1273-1 for EN ISO17025 as test laboratory. Türk Akreditasyon Kurumu(TÜRKAKREDİ) deney raporlarını teminliğin kanununda Arayıcı Akreditasyon Bölgesi(AK) ile Çek Tarafı Analiz ve Uzmanlar Laboratuvar Akreditasyon Bölgesi(AK) ile ilgili olarak faaliyet göstermektedir. Türk Accreditation Agency (TÜRKAKREDİ) is a signatory to the European co-operation for Accreditation (EAC) Multilateral Agreement (MA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports. Deney ve Araştırma ölçüm sonuçları, güvenilirliği ölçülen belgeleri (veya belgeleri) ve deney metotları bu sertifikasyon teminatı kapsamında talep edilen raporlarda verilmektedir. The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.		
Tarih/ Mühür Date/Seal	Raporu Hazırlayan The Report Prepared by	Laboratuvar Müdürü Head of Testing Laboratory
18.08.2020	Refik YAKAR	Sabahattin ÇELİK



UZAK Long Range Initiation System Test Results

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	CGS TEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ Kayışdağı Mahallesi Gülcün Sok. No: 2/2 Ataşehir İstanbul/TÜRKİYE	
Deney Raporu Test Report		LVD-144-05 08-20
Müşterinin adı (adresi): Customer name/address	KZ MEKATRONİK SANAYİ VE TİCARET LİMİTED ŞİRKETİ P. Atan M.Y. Sanayi Sitesi 27. Sok. 12. A Blokno-TÜRKİYE	
Fabrikasının adı (adresi): Manufacturer's name/address	KZ MEKATRONİK SANAYİ VE TİCARET LİMİTED ŞİRKETİ P. Atan M.Y. Sanayi Sitesi 27. Sok. 12. A Blokno-TÜRKİYE	
İstek Numarası: Order no.	27072020442	
Namunanın Adı ve Tanıtıcı: Name and identity of test item	F1A1 : Uzaktan Komutlu Ateşleme Cihazı Alıcı Ünite - Remote Command Ignition Device Receiver Unit	
Namunanın Kabul tarihi: The date of receipt of test item	28.07-2020	
Açıklamalar: Remarks	DGC'ye EN 60068-2-1 & EN 60068-2-2 standardı uyarınca Güvenlik Deneyleri yapılmıştır. Safety tests have been applied to IUT according to EN 60068-2-1 & EN 60068-2-2.	
Deneyin yapıldığı tarih: Date of Test	29-06-2020 to 07-07-2020	
Deney Standartı Test Standard	EN 60068-2-1:2007 EN 60068-2-2:2007	
Raporun Sayfa Sayısı: Number of pages of the Report	7 sayfa / pages	
Tarih Date	Deney Sorumlusu Person in charge of test	Laboratuvar Müdürü Head of Testing Laboratory
05-08-2020	Timur GÜSER	
Bu rapor laboratuvarımız tarafından sadece keşif amaçlı hazırlanmıştır. This report shall not be repeated after this in full except with the permission of the laboratory. Test reports without signature and seal are not valid.		
Rapor No: 144-05 CGS TEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ Kayışdağı Mahallesi Gülcün Sok. No: 2/2 Ataşehir İstanbul/TÜRKİYE Page 1 / 7		

	GNTR ULUSLARARASI BELGELENDİRME, GÖZETİM, EĞİTİM VE DİŞ TİC. LTD. ŞTİ. Çerkeş OSB Mah. İMEŞ OSB 18. Cad. 1A/2 No:41/2 Dilovası - Kocaeli / TÜRKİYE	
Deney Raporu Test Report		AB-1273-T 071-0601447028 17.08.2020
Müşterinin adı / Adresi Customer name / address	KZ MEKATRONİK SAN. VE TİC. LTD. ŞTİ. Yeni Sanayi Sitesi 27. Sok. No:32/A Karesi / BALIKESİR	
İstek numarası Order No.	GTL-0538	
Namunada Adı ve tanıtıcı Name and identity of the test item	Remote Controlled Ignition Device Transmitter Unit and Remote Controlled Ignition Device Receiver Unit	
Namunenin kabul tarihi The date of receipt of the test item	14.08.2020	
Açıklamalar Remarks		
Deneyin yapıldığı tarih Date of the test	14.08.2020	
Ürün no Sample Number	GTL5-1290-1, GTL5-1290-2	
Uygulanan test Test applied	Loose Cargo	
Raporun sayfa sayısı Number of pages of the report	7	
Deney laboratuvarımız akreditasyon belgesiyle GNTR ULUS.BEL.GÖZ.EDT'VE DİŞ.TİC.LTD.ŞTİ., TÜRKAK'tan AB-1272-T ile TS EN ISO17025 standardına göre akredite edilmiştir. GNTR ULUS.BEL.GÖZ.EDT'VE DİŞ.TİC.LTD.ŞTİ. accredited by TÜRKAK under registration number AB-1272-T for EN ISO17025 as test laboratory. Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarımızın tanınabilirliği konusunda Avrupa Akreditasyon Birliği(EA) ile Çok Taraflı Anlaşma ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC) ile karşılıklı tanıma anlaşması imzalamıştır. Turkish Accreditation Agency (TÜRKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports. Deney ve /veya ölçüm sonuçları, güvenilirliği ölçülen belirsizlikleri (eğer varsa) ve deney metoduyla belirlenen tamamlanmış kısm olan takip eden sayfalarda verilir. The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.		
Tarih/ Mühür Date/Seal	Raporu Hazırlayan The Report Prepared by	Laboratuvar Müdürü Head of Testing Laboratory
18.08.2020	Refik YAKAR	Sabahattin ÇELİK

	CGS TEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ Kayışdağı mah. Gülcün Sok. No:2/2 Ataşehir/İstanbul/Türkiye	
Deney Raporu Test Report		AB-1215-T LVD-144-06 08-20
Müşterinin adı (adresi): Customer name/address	KZ MEKATRONİK SANAYİ VE TİCARET LİMİTED ŞİRKETİ P. Atan M.Y. Sanayi Sitesi 27. Sok. 12. A Blokno-TÜRKİYE	
İstek Numarası: Order no.	27072020442	
Namunanın Adı ve Tanıtıcı: Name and identity of test item	F1A1 : Uzaktan Komutlu Ateşleme Cihazı Alıcı Ünite - Remote Command Ignition Device Receiver Unit	
Namunanın Kabul tarihi: The date of receipt of test item	24-06-2020	
Açıklamalar: Remarks	DGC'ye TS EN 60255 Standardı uyarınca Güvenlik Deneyleri yapılmıştır. Safety tests have been applied to IUT according to TS EN 60255.	
Deneyin yapıldığı tarih: Date of Test	03-08-2020 to 04-08-2020	
Raporun Sayfa Sayısı: Number of pages of the Report	9 sayfa / pages	
Deney laboratuvarımız akreditasyon belgesiyle CGS TEST HİZMETLERİ A.Ş., TÜRKAK'tan AB-1316-T ile TS EN ISO/IEC 17025 Mitan 2012 standardına göre akredite edilmiştir. CGS TEST HİZMETLERİ A.Ş. accredited by TÜRKAK under registration AB-1316-T for TS EN ISO/IEC 17025 April 2012 as test laboratory. Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarımızın tanınabilirliği konusunda Avrupa Akreditasyon Birliği(EA) ile Çok Tarafli Anlaşma ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC) ile karşılıklı tanıma anlaşması imzalamıştır. Turkish Accreditation Agency (TÜRKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports. Deney ve /veya ölçüm sonuçları, güvenilirliği ölçülen belirsizlikleri (eğer varsa) ve deney metoduyla belirlenen tamamlanmış kısm olan takip eden sayfalarda verilir. The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.		
Tarih Date	Deney Sorumlusu Person in charge of test	Onaylayan Approval
05-08-2020	Timur GÜSER	Timur GÜSER
Bu rapor laboratuvarımız tarafından sadece keşif amaçlı hazırlanmıştır. This report shall not be repeated after this in full except with the permission of the laboratory. Test reports without signature and seal are not valid.		
www.gsmekatronik.com.tr		
Tel: 0216 415 70 73		



Production Facilities

KZ Mekatronik Sanayi ve Ticaret Ltd. Şti.

Yeni Sanayi Sitesi, 27. Sokak,
No:32/A & 55. Sokak, No:7/A
10100 Karesi - Balıkesir - Turkey
Tel/Fax: +90 (266) 246 00 53

Balıkesir Üniversitesi Çağış Yerleşkesi,
Teknopark, Kat 4, Kapi No: 9-10-11-12
Altıeylül - Balıkesir - Turkey

R&D Office

Gazi Üniversitesi Gölbaşı Yerleşkesi,
Teknopark, C Blok, Zemin Kat, No:7
06830 Gölbaşı - Ankara - Turkey
Tel/Fax: +90 312 484 93 83

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