

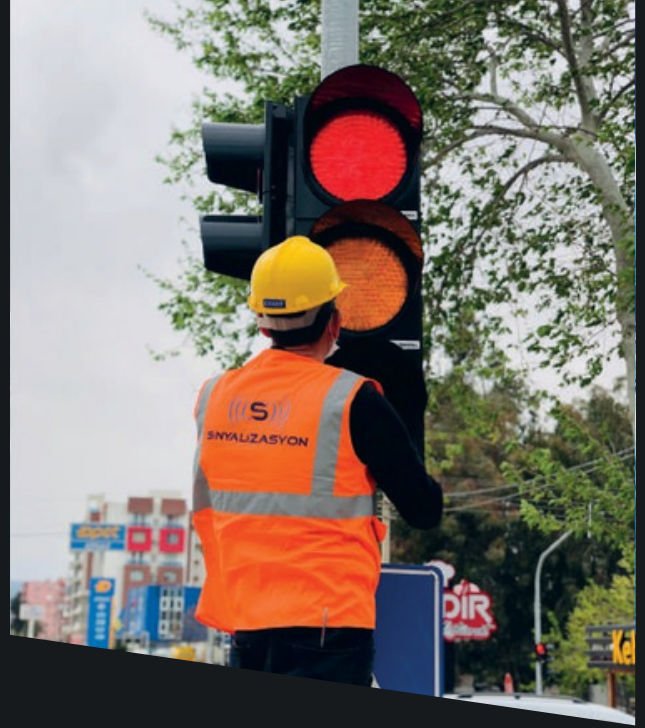


venoriainsaat.com

About Us

Sinyalizasyon Electronics was founded in Ankara in 1992 and is the first domestic company to produce signaling systems and control devices. During the period, we have been in production of 265 kinds of products including signaling products, solar power systems, LED traffic boards, road buttons, with Power LED and solar energy lighting armatures and traffic safety products at 2600m2 open production area.

Sinyalizasyon Electronics has constantly improved its technology over the years and has constantly renewed the product range. Our company applies the solar energy systems, which is the technology of future, to traffic signalization products and continues to make the installation of traffic signaling systems working with solar energy at local and overseas market.



With experience from 1992 in the sector and nearly with 60 qualified employees, we manufacture high performance, quality, long life products and is guaranteed by the manufacturer for up to 5 years. Used raw materials, semi-finished products and final products are under quality control at every stage of production. In addition, our products have been successfully passed the all tests performed by independent laboratories with international equipped.

Sinyalizasyon Electronics offers you a solution partnership with high quality products and affordable cost, for traffic signalization, warning signs, safety and also solar energy street lighting developed in recent years.



Products



**Intelligent Traffic
Management
Systems**



**Lighting
Product
s**



**RD&
Constultancy
Services**



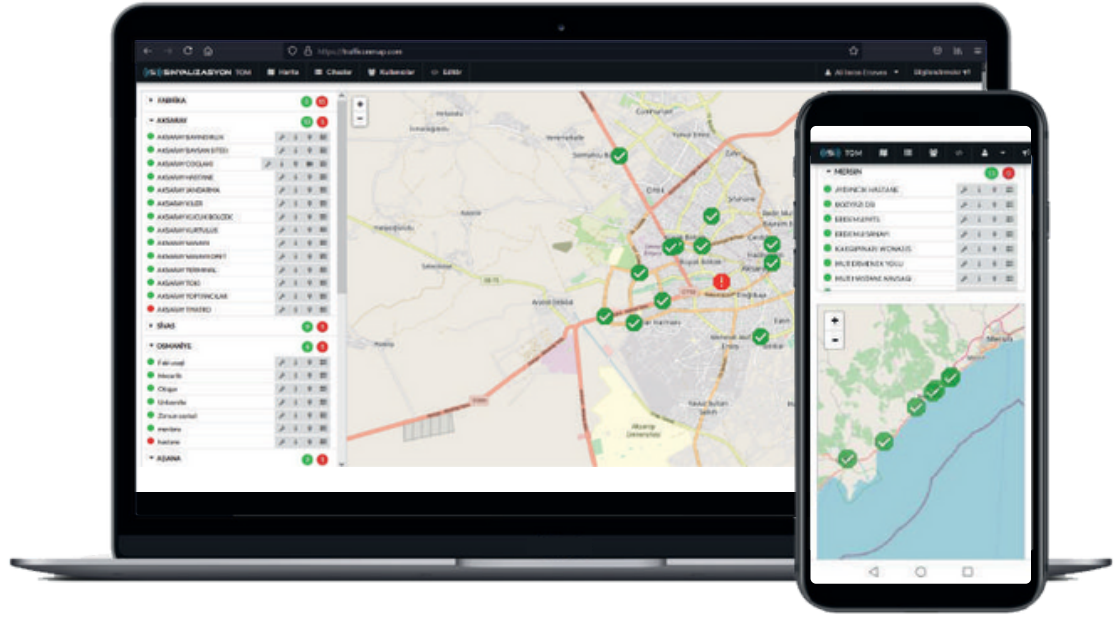
**Signalizatio
n Products**



**LED Screen &
VMS
Products**



**Traffic
Safety Products**



ANTRA

Intersection Controller Device

EN 50556 and **TS HD 638 S1** and **TS EN 12675** and **EN 50293 IP-65** is certified.

ANTRA is an Intersection Control Device is produced by Sinyalizasyon Elektronik for providing traffic regulation and pedestrian safety. The Intersection Control Device is a technology that operating the traffic signal lights and providing environmental safety with built-in infrastructure built on existing junctions.

With the safety functions on the device, lamp damages, infrastructure problems, police control, detector, and green wave systems features are presented to users. Besides, owing to GPS and internet connection, date-time shifts and automatic summer and winter time adjustments are made automatically. ANTRA device is compatible with Windows, IOS, and Android-based on operating systems. Through the software is developed by us, it is presented to you a clear and easy operating and installation. With the power of the ANTRA design. The Sinyalizasyon Electronics is able to provide technical support, continuously.



Product Code	Antra32
Product Category	ANTRA Intersection Controller Device

TECHNICAL SPECIFICATIONS	
Operating Voltage	220-230 VAC
Operating Output Voltage	220, 110, 42 VAC
Operating Frequency	50, 60 Hz
DC Power Supply voltage	24 VDC
Power Supply pfc	>0.9

- Device Leakage Current Protection Fuse 0.3A
- Human Leakage Current Protection Insurance 0.03A
- Lightning Protection Phase, Neutral Parafudr 40KA
- 20A abs rfi filter filter
- Mono phase electricity meter
- CPU program card
- SSM output card
- HMI display card
- HEPI modem card (optional)
- Programming usb-rs485-tablet pc usb-mobile phone and pc
- wi-fi-3g modem remote programming
- Program or flash with manual position switch
- Pedestrian button feature (optional)
- Police control feature (optional)
- Detector or pulse detector feature (optional)
- Interval signaling according to vehicle count and traffic intensity by camera (optional)
- Ambulance priority control module (optional)
- Full access via HEPI modem card to the central system via the skada room (optional)
- Full access via manual personal computer with HEPI modem card
- Getting the program in the device
- NTCIP communications protocol



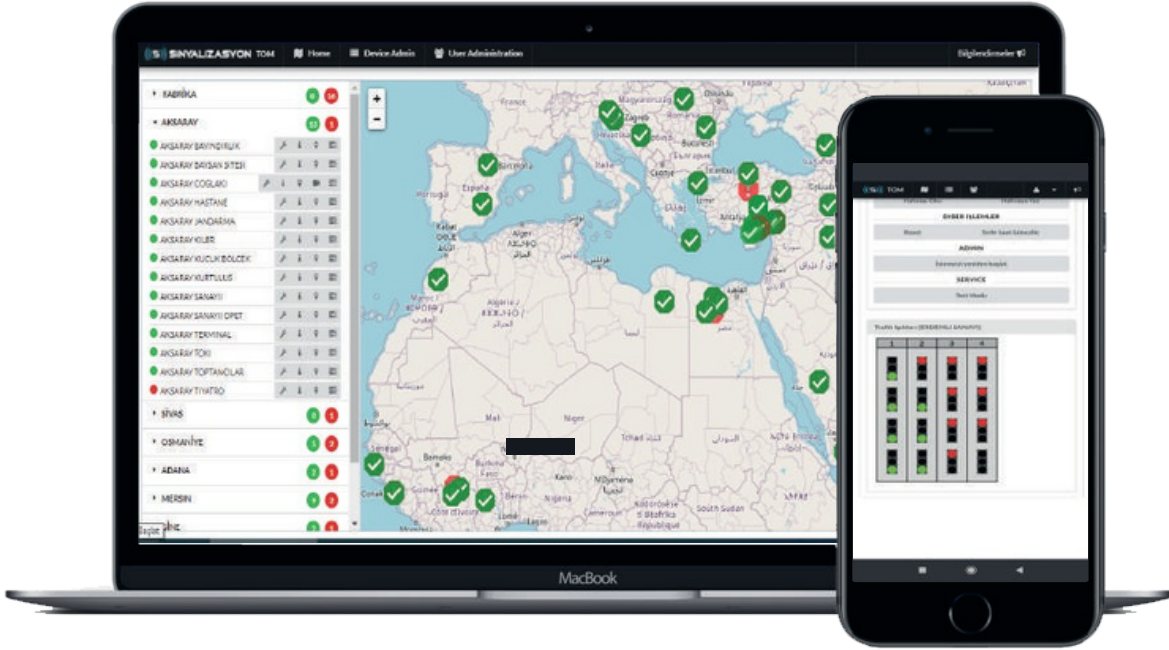
Adjustable Features

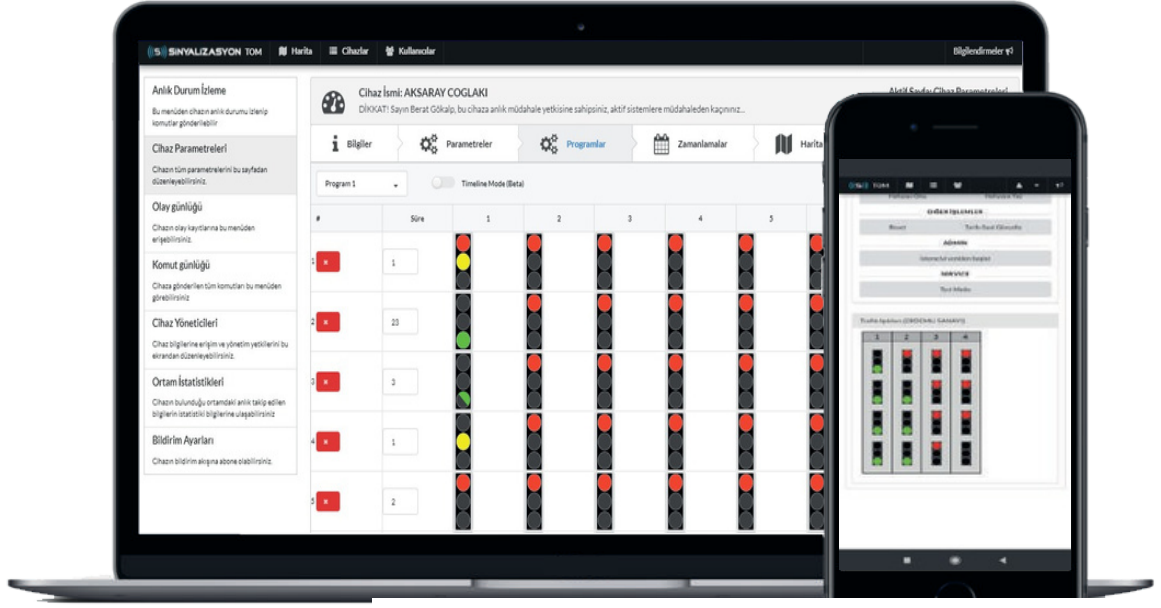
Ability to adjust the Flemish break Ability to adjust the Flemish break reaction time.reaction time
Flash or shutdown preference in case of failure and error.200ms or 1sec flash adjustment time.

Failure Detection

- Phase contact• Output failure• DC voltage range
- Line contact• AC voltage range• Hz frequency range • Fault and transaction logs• Command transaction records







ANTRA PLUS

8



Intersection Controller Device

ANTRA + PLUS Intersection Controller Device is manufactured by Sinyalizasyon Electronics to protect the device from power outages, electricity problems caused by high-low voltage, electricity problems caused by bad mains frequency, and network fluctuations. It can protect the device and keep the stability on the junction with its internal UPS (Uninterrupted Power Supply) and voltage regulator. It ensures the continuity of the signaling system without reflecting the interruption to the intersection control system in power cuts. The intersection system can be customized to use specific structures and specific panel designs in 1kVA-7kVA power range. According to its battery capacity, it is capable of feeding an average intersection between 8 hours and 120 hours. In areas deprived of electrical energy, it is possible to operate the system with Smart Hybrid Inverter independently from the network as Off-Grid via the Solar Panel connection.

Product Code	Antra64+
Product Category	Intersection Controller Device



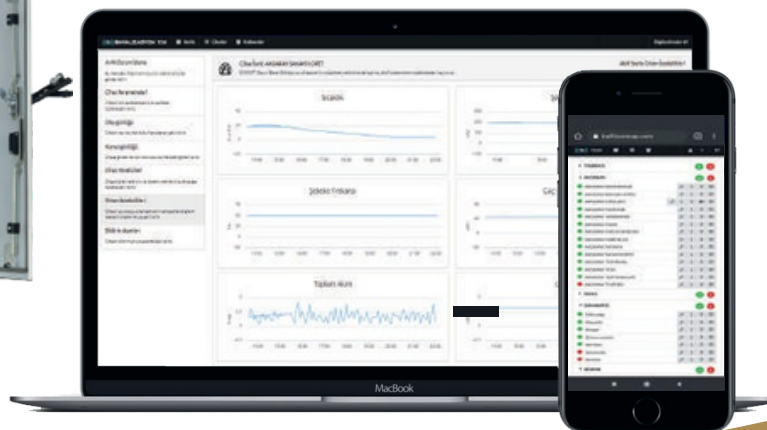
Operating Voltage 220-230 VAC
 Operating Output Voltage 220, 110, 42 VAC
 Operating Frequency 50, 60 Hz
 DC Power Supply Voltage 24 VDC
 Power Factor (PFC) > 0.9

TECHNICAL SPECIFICATIONS	

- Device Leakage Current Protection Fuse 0.3A • Pedestrian button feature (optional)
- Human Leakage Current Protection Insurance 0.03A • Police control feature (optional)
- Lightning Protection Phase, Neutral Parafudr 40KA • Detector or pulse detector feature (optional)
- 20A abs rfi filter filter • Interval signaling according to vehicle count and traffic
- Mono phase electricity meter intensity by camera (optional)
- CPU program card • Ambulance priority control module (optional)
- SSM output card • Full access via HEPI modem card to the central system via
- HMI display card the skada room (optional)
- HEPI modem card (optional) • Full access via manual personal computer with HEPI modem card
- Programming usb-rs485-tablet pc usb-mobile phone and pc
- wi-fi-3g modem remote programming • Getting the program in the device
- Program or flash with manual position switch • NTCIP communications protocol



UPS TECHNICAL SPECIFICATIONS	
Reaction Time	<20ms
Battery Capacity	12V, 200A-h Deep Cycle, 1700 (@ %50 DOD) VRLA AGM / Non-Spillable / Maintenance-Free
Battery Supply Time	> 8 hours
Ingress Protection	IP65
Inverter Power	1000 Watt
Power Factor	>0.9
Maximum Charging Current	25A



MOBİL TRAFFIC CONTROLLER DEVICE

- Quick and easy installation
- Turkish or English Interface (Optional other languages)
- Easy programmable user friendly interface with RS485-USB •
- Different operating time schedule on day, night, weekly, monthly, yearly basis
- Flash mode
- Optional Programmable for pedestrian groups upon request •
- Dimmable Signal Heads
- Mobile green wave system in sequential road working areas. •
- Easy to carry with its wheeled structure
- Foldable portable structure for telescopic pole and solar panel
- Applicability in all regions with construction-maintenance-repair work and at intersections
- It can be programmed to work in 1-4-way intersections with a GPS controlled signal system.
- Synchronization with GPS in nanosecond resolution
- Automatic switching to red flash when GPS signal is interrupted or signal quality deteriorates
 - with GPS and RF communication Compliance with the security modes of TS EN 50556 Road Traffic Sign Systems Standard
- Solar panel and MPPT charge, which provides the energy to run the system for at least 7 days on a sunny and cloudless day
- Gel Battery Technology, fixed battery and lock system
- Solar panel can be adjusted in any direction and any angle.
- Embedded 10A MPPT charging module
- Ability to work continuously for at least 1 week without getting any sun

Product Code	
Product Category	

MSK-100GPS

Signalization Products



TECHNICAL SPECIFICATIONS	
Operating Voltage	12V/24VDC
Power Consumption	<5W for each signal head module
Signal Head Certification	TS EN 12368
Signal Head Housing	PolycarbonateUV.
Reaction Time	<1 ms
Communication	GPS Synchronization and RF
Communication Distance	With to GPS Synchronization, there is no distance precondition. The communication distance of the RF module used for the control of security modes is at least 2km in the open area.
Solar Panel	40W
Battery	12V 72Ah Gel Battery
Charger	10A MPPT Charger
Adjustable Telescopic Pole	2,7m
Working without solar power	With fully charged battery at least 1 week (24hours mode)



FLASHER

Flasher Controller Device,

- It is used to control the flashers installed at roads with sharp bends, driving at high speeds, and occurred various weather conditions (foggy, rainy, snowy), It stimulates the driver's attention visually,
- Facilitates driving,

- It is used to make driving more safe and comfortable.

With the help of the setting switch located on the device, it controls the output ends in various operating modes and enables the desired warning flashes to come on.

- The following operating modes can be selected with the switch on the device. Detailed information about setting the modes is shown in the user modes section.

- Sequential combustion (All outputs are flashes based on sequence pre-uploaded in the device).
- Single combustion (All outputs are flashes at the same time).
- Night Operation Mode (All outputs are flashes at night and cut off the flashes in daylight.).
- Operation in the 0-4 sec. range (All outputs flashes in the specified range).
- Up to 8A output can be connected to each output.
- There is "4" AC output on the device; Up to 60 LED modules with 8 watts can be connected to each output.
- Light sensitivity levels are adjustable via photocell switch input on the device.
- The time clock can be connected to the device to work at the desired time.



Product FLK06	
Product Category	Signalization Products
Operating Voltage	5-30V
Power Consumption	5W
Operating Temperature	-10C to 55C
Load	4<Load<=60
Light Sensivity	+
Time Settings	+

SINYAL UPS

Uninterruptible Power Supply

In power cuts, it ensures the continuity of the signalization system without reflecting the interruption to the intersection. It has the capacity to operate an average four-way intersection for at least 8 hours. The cabinet has IP65 Ingress Protection Level. In the board; There are fuses with suitable values for fan, thermostat, heater, lighting, residual current relay, AC 230V socket outlet, DC input and AC output. It can be customized in 1 kVa – 7 kVa power in response to the intersection need.

Product Code	UPS06
Product Category	Signalization Products



Technical Specifications

Reaction Time<20ms

12V, 200A-h Deep Cycle,

Battery Capacity1700 (@ %50 DOD) VRLA
AGM / Non-Spillable /
Maintenance-Free

Battery Supply
Time> 8 hours

Ingress ProtectionIP65

Inverter Power1000Watt

Power Factor>0.9

Maximum
Charging Current 25A

SINYAL TACTUS

Tactile Acoustic Pedestrian Button

The purpose of the Signal Tactus Pedestrian Buttons is to inform the intersection control device by making touch sensing in the road section where the drivers are traveling at high speed, there are intense vehicle crossings and there are no overpass and underpass facilities, and to make the transportation easier for the pedestrian.

The Signal Pedestrian Button is designed with touchscreen, acoustic stimulation according to the ambient sound, in order to facilitate pedestrian and driver traffic safety. Signal Pedestrian Buttons can program the location of the intersection, human voice, and robot voice selection, according to the ambient sound or fixed stimulation sound and level selection via computer with its user- friendly and understandable programming interface. The “STOP” - “PASS” figures on the module can be redesigned specific to the institution or the region and can be lit in red and green. Considering the visually impaired pedestrians in the design of the device, there is an intersection plan with the Braille alphabet on the left side of the device, and an explanation with the Braille alphabet on the right side. Thanks to its robust body structure, it can be easily installed on the rubber apparatus at all signalized intersections by mounting it on a 102mm and 114mm diameter pole.





- TS ISO 23600
- Touch Sensor
- Acoustic Sound (Position and Audible Warning)
- Programmable Computer Interface
- Light and Strong Body Structure
- Easy installation
- High Impact Resistance
- Long Life Expectancy (> 5 years)
- Low Power Consumption
- Contactless Detection





● ————— Brail Alfabeti

● ————— Titreşimli
Geri Bildirim



● ————— Type B
USB Bağlantı



● ————— Bluetooth
Bağlantı



Bluetooth®

● ————— IP66 Sertifika



Product Code	SYB06	Weight	1,9kg
Sizes	39*13*13cm	Computer Interface	OK
Housing	PolycarbonateUV.	Android Interface	OK
Ingress Protection	IP66	Operating Temperature	-40°C
Operating Voltage	220VAC (100-	Vibration	+70°C
Power Consumption	240VAC) <5W	Night Mode	Optional
Detection	Touch Sensor	Customized Screen	OK

Optional



Q200

Vehicle Type Signal Heads With Leds

Product Code	SİNYAL	SARIX
Product Category	Q200MOL	Signalization

Products

TECHNICAL SPECIFICATION

Diameter200mm

Housing/ Mask Material TypePolycarbonate UV.

Housing ColorBlack-Gray-Orange

Impact ResistanceIR3

VibrationClass AJ3

Ingress ProtectionIP65

Operating Temperature-40°C to +60°C

Operating Voltage170-265VAC or 12-24VDC

Minimum Shutdown Voltage80V

Total Harmonic Distortion<%10

Reaction Time<50 ms

LEDRed, yellow, green for 5mm LEDs

Luminous Intensity (Cd)>400cd

Signal SymbolS1-S2

Phantom Class5

Power Consumption<8W

EMCEN 50293

CertificateEN 12368



Q300

Vehicle Type Signal Heads With Leds



Product Code	SINYAL	SARIX
Product Category	Q300MOL	Signalization

Products

TECHNICAL SPECIFICATION

Diameter300mm

Housing/ Mask Material TypePolycarbonate UV.

Housing ColorBlack-Gray-Orange

Impact ResistanceIR3

VibrationClass AJ3

Ingress ProtectionIP65

Operating Temperature-40°C to +60°C

Operating Voltage170-265VAC or 12-24VDC Minimum Shutdown

Voltage80V

Total Harmonic Distortion<%10

Reaction Time<50 ms

LEDRed, yellow, green for 5mm LEDs Luminous Intensity (Cd)>400cd

Signal Symbols1-S2

Phantom Class5

Power Consumption<8W

EMCEN 50293

CertificateEN 12368

Q200

Single Signal Head With Leds

Product Code	Q200SH
Product Category	Signalization Products

TECHNICAL SPECIFICATION	
Diameter	200mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration	Class AJ3
Ingress Protection	IP65
Operating Temperature	-40°C to +60°C
Operating Voltage	170-265VAC or 12-24VDC
Minimum Shutdown Voltage	80V
Total Harmonic Distortion	<%10
Reaction Time	<50 ms
LED	Red, yellow, green for 5mm LEDs
Luminous Intensity (Cd)	>400cd
Signal Symbols	S1-S2
Phantom Class	5
Power Consumption	<8W
EMC	CEN 50293
Certificate	EN 12368



Q300

Single Signal Heads With Leds



Product Code	Q300SH
Product Category	Signalization Products

TECHNICAL SPECIFICATION	
Diameter	300mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration	Class AJ3
Ingress Protection	IP65
Operating Temperature	-40°C to +60°C
Operating Voltage	170-265VAC or 12-24VDC
Minimum Shutdown Voltage	80V
Total Harmonic Distortion	<%10
Reaction Time	<50 ms
LED	Red, yellow, green for 5mm LEDs
Luminous Intensity (Cd)	>400cd
Signal Symbols	S1-S2
Phantom Class	5
Power Consumption	<8W
EMCEN	50293
Certificate	EN 12368

Q200

Pedestrian Signal Heads With LEDs

Product Code	SİNYAL	SARIX
Product Category	Q200MOY	Signalization
Products		

TECHNICAL SPECIFICATION	
Diameter	200mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration Class	AJ3
Ingress Protection	IP65
Operating Temperature	-40°C to +60°C
Operating Voltage	170-265VAC or 12-24VDC
Minimum Shutdown Voltage	80V
Total Harmonic Distortion	<%10
Reaction Time	<50 ms
LED	Red, green for 5mm LEDs
Luminous Intensity (Cd)	>400cd
Signal Symbol	S1-S2
Phantom Class	5
Power Consumption	<8W
EMC	CEN 50293
Certificate	EN 12368



Q200 ANIMATED Pedestrian Signal Heads

Product Code	Q200AYD
Product Category	Signalization Products

TECHNICAL SPECIFICATION



Diameter200mm

HousingPolycarbonate UV.

Housing/ Mask Material
TypeBlack-Gray-Orange

Impact ResistanceIR3

VibrationClass AJ3

Ingress ProtectionIP65

Operating Temperature-40°C to +60°C

Operating Voltage170-265VAC

Minimum Shutdown Voltage90V

Total Harmonic Distortion<%10

Reaction Time<100 ms

LEDRed, yellow, green for 5mm LEDs

Luminous Intensity (Cd)<360cd

ManagementMicroprocessor

Taking the energy output time to

Memorizing Featurememory and keeping the red and
green time separately in memory as
the time changes

Night Mode(LDR)Prevents glare of drivers by
reducing light power by 40%

Power Consumption (Watt)<7W

EMCEN 50293

Q200

Countdown Timer Device

Product Code Q200GS

Product Category Signalization Products

TECHNICAL SPECIFICATION

Diameter 200mm

Housing/ Mask Material

Type Polycarbonate UV.

Housing Color Black-Gray-Orange

Impact Resistance IR3

Vibration Class AJ3

Ingress Protection IP65

Operating Temperature -40°C to +60°C

Operating Voltage 170-265VAC

Minimum Shutdown Voltage 90V

Reaction Time <100 ms

Management Microprocessor

Taking the energy output time to

Memorizing Feature memory and keeping the red and
green time separately in memory as
the time changes

Night Mode (LDR) Prevents glare of drivers by
reducing light power by 40%

LED Red, yellow, green for 5mm LEDs

Luminous Intensity (Cd) <400cd

Power Consumption (Watt) <20W

EMC EN 50293

Total Harmonic Distortion <10%



Q300

Countdown Timer Device

Product Code Q300GS

Product Category Signalization Products

TECHNICAL SPECIFICATION

Diameter 300mm

Housing/ Mask Material

Type Polycarbonate UV.

Housing Color Black-Gray-Orange

Impact Resistance IR3

Vibration Class A33

Ingress Protection IP65

Operating Temperature -40°C to +60°C

Operating Voltage 170-265VAC

Minimum Shutdown Voltage 90V

Reaction Time <100 ms

Management Microprocessor

Taking the energy output time to

Memorizing Feature memory and keeping the red and green time separately in memory as the time changes

Night Mode (LDR) Prevents glare of drivers by reducing light power by 40%

LED Red, yellow, green for 5mm LEDs

Luminous Intensity (Cd) <400cd

Power Consumption (Watt) <20W

EMC EN 50293

Total Harmonic Distortion <%10



Q300 3 DIGIT (188)

Countdown Timer Device

Product Code Q300GS188

Product Category Signalization Products

TECHNICAL SPECIFICATION

Diameter 300mm

Housing/ Mask Material
Type Polycarbonate UV.

Housing Color Black-Gray-Orange

Impact Resistance IR3

Vibration Class AJ3

Ingress Protection IP65

Operating Temperature -40°C to +60°C

Operating Voltage 170-265VAC

Minimum Shutdown Voltage 90V

Reaction Time <100 ms

Management Microprocessor

Taking the energy output time to
Memorizing Feature memory and keeping the red and
the time changes green time separately in memory as

Night Mode (LDR) Prevents glare of drivers by
reducing light power by 40%

LED Red, yellow, green for 5mm LEDs

Luminous Intensity (Cd) <400cd

Power Consumption (Watt) <20W

EMC EN 50293

Total Harmonic Distortion <10%



Q200-Q300 NEOSİNYAL



Product Code	Q200NEO – Q300NEO
Product Category	Signalization Products

TECHNICAL SPECIFICATION	
Diameter Q200	200mm
Diameter Q300	300mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration	Class AJ3
Ingress Protection	IP65
Operating Temperature	-40°C to +60°C
Operating Voltage	80V-265V
Reaction Time	<50 ms
Dimming Feature	OK
LED	RGB
LED Frequency	2KHz
Luminous Intensity	>400cd
Baud Rate	>800Kbps.
Yanılıcı Sinyal Sınıfı (Phantom Class)	5
Güç (Watt)	<8W

Q100

Vehicle Type Signal Heads with LEDs

Product Code	Q1000L
Product Category	Signalization Products

TECHNICAL SPECIFICATION	
Diameter	100mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration	Class AJ3
Ingress Protection	IP65
Operating Temperature	-40°C to +60°C
Operating Voltage	170-265VAC or 12-24VDC Minimum Shutdown
Voltage	80V
Total Harmonic Distortion	<%10
Reaction Time	<50 ms
LED	Red, yellow, green for 5mm LEDs Luminous Intensity
(Cd)	>200cd
Signal Symbols	S1-S2
Power Consumption	<8W
EMC	CEN 50293



Q100

Pedestrian Type Signal Heads

Product Code	Q100YL
Product Category	Signalization Products

TECHNICAL SPECIFICATION	
Diameter	100mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration Class	AJ3
Ingress Protection	IP65
Operating Temperature	-40°C to +60°C
Operating Voltage	170-265VAC or 12-24VDC Minimum
Shutdown Voltage	80V
Total Harmonic Distortion	<%10
Reaction Time	<50 ms
LED	Red, green for 5mm LEDs Luminous Intensity (Cd)>400cd
Signal Symbol	S1-S2
Power Consumption	<5W
EMC	CEN 50293



Q200

Signal Heads With Power LEDs

Product Code	GALAXY Q200 GXPOL
Product Category	Signalization Products

TECHNICAL SPECIFICATION	
Diameter	200mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration Class	AJ3
Ingress Protection	IP65
Operating Temperature	-40°C to +60°C
Operating Voltage	170-265VAC or 12-24VDC Minimum Shutdown
Voltage	80V
Total Harmonic Distortion	<%10
Reaction Time	<50 ms
LED	Red, yellow, green for Power LEDs Luminous Intensity (Cd)>400cd
Signal Symbol	S1-S2
Phantom Class	5
Power Consumption	<8W
EMC	CEN 50293
Certificate	EN 12368



Q300

Vehicle Type Signal Heads With Power LEDs

Product Code	GALAXY Q300 GXPOL
Product Category	Signalization Products

TECHNICAL SPECIFICATION

Diameter	300mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration Class	AJ3
Ingress Protection	IP65
Operating Temperature	-40°C to +60°C
Operating Voltage	170-265VAC or 12-24VDC Minimum Shutdown
Voltage	80V
Total Harmonic Distortion	<%10
Reaction Time	<50 ms
LED	Red, yellow, green for Power LEDs Luminous Intensity (Cd)>400cd
Signal Symbol	S1-S2
Phantom Class	5
Power Consumption	<8W
EMC	CEN 50293
Certificate	EN 12368

Q200-Q300

Single Signal Head with Power LEDs

Product Code	Q200PSL – Q300PLF
Product Category	Signalization Products

TECHNICAL SPECIFICATION	
Diameter Q200	200mm
Diameter Q300	300mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration Class	AJ3
Ingress Protection	IP65
Operating Temperature	-40°C to +60°C
Operating Voltage	170-265VAC or 12-24VDC
Minimum Shutdown Voltage	80V
Total Harmonic Distortion	<%10
Reaction Time	<50 ms
LED	Red, yellow, green for Power LEDs
Luminous Intensity (Cd)	>400cd
Signal Symbol	S1-S2
Phantom Class	5
Power Consumption	<8W
EMC	EN 50293
Certificate	EN 12368



Q200

Pedestrian Type Signal Heads With Power LEDs



Product Code	GALAXY Q200 GXMOY
Product Category	Signalization Products

TECHNICAL SPECIFICATION	
Diameter	200mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration Class	AJ3
Ingress Protection	IP65
Operating Temperature	-40°C to +60°C
Operating Voltage	170-265VAC or 12-24VDC
Minimum Shutdown Voltage	80V
Total Harmonic Distortion	<10%
Reaction Time	<50 ms
LED	Red, yellow, green for Power LEDs
Luminous Intensity (Cd)	>400cd
Signal Symbols	S1-S2
Phantom Class	5
Power Consumption	<8W
EMC	CEN 50293
Certificate	EN 12368

SIGNAL HEAD MODULES



Q200MLM-G



Q200MLM-R



Q200MLM-Y



Q300MLM-G



Q300MLM-R



Q300MLM-Y



Q200PLM-R



Q200FLM-G



Q200FLM-R



Q300PLM-G



Q300PLM-R



Q300PLM-Y

Q200 SOLAR FLASHER

Product Code	Q200GEF
Product Code	Signalization Products

TECHNICAL SPECIFICATION	
Diameter	200mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration Class	AJ3
Ingress Protection	IP55
Operating Temperature	-40°C to +60°C
Operating Voltage	12VDC
LED	Red, Yellow and Green 5mm/10mm LEDs
Luminous Intensity	>200cd
Solar Panel	5W~10W
Battery	12V , 7-22Ah VRLA or 11.1 V Li-ion Battery
Operating Modes	Default 500ms adjustable blink period
Nigh Mode	Available
Protection Mode	Over chage & discharge protection
Charging Type	PWM-MPPT (optional)
Certificate	TS EN 12352



Q200 SOLAR FLASHER



Product Code	Q300GEF
Product Code	Signalization Products

TECHNICAL SPECIFICATION	
Diameter	300mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration Class	AJ3
Ingress Protection	IP55
Operating Temperature	-40°C to +60°C
Operating Voltage	12VDC
LED Red, Yellow and Green LEDs	5mm/10mm
Luminous Intensity	>250cd
Solar Panel	10W-20W
Battery	12V-7Ah or 18Ah
Operating Modes	Default 500ms adjustable blink period
Nigh Mode	Available
Protection Mode	Over chage & discharge protection
Charging Type	PWM- MPPT (optional)
Certificate	TS EN 12352

Q300 MPPT

Double Solar Flasher

Product Code	Q300GEFD
Product Category	Signalization Products

TECHNICAL SPECIFICATION	
Diameter	300mm
Housing	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Certificate	TS EN 12352
Impact Resistance	IR3
Vibration	Class AJ3
Ingress Protection	IP55
Operating Temperature	-40°C to +60°C
Operating Voltage	12VDC
LED	Red, Yellow and Green 5mm/10mm LEDs
Luminous Intensity	<250cd
Solar Panel	10W ~ 20W
Battery	12V 18Ah or 22AH
Power Consumption	<4W
Flashing Time	Default 500ms adjustable blink period
Night Mode	Optional
Protection	Over charge & discharge protection
Charging Type	MPPT
Certificate	TS EN 12352

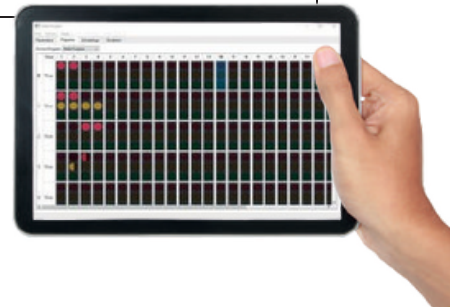


SYNCHRONIZED FLASHER

Warning and Safety Devices

Product Code	Q300GPSF
Product Code	Signalization Products

TECHNICAL SPECIFICATION	
Diameter	300mm
Housing/ Mask Material Type	Polycarbonate UV.
Housing Color	Black-Gray-Orange
Impact Resistance	IR3
Vibration	Class AJ3
Ingress Protection	IP55
Operating Temperature	-40°C to +60°C
Operating Voltage	12VDC
LED	Red, Yellow and Green 5mm/10mm LEDs
Lumenious Intensity	>250cd
Solar Panel	20W
Battery	12V-7Ah or 20Ah
Operating Modes	It can work in 8 different scenarios. (It can be controlled by the button on it.)
Nigh Mode	Available
Protection Mode	Over chage & discharge protection
Charging Type	MPPT
Working Without Solar Power	With a fully charged 20Ah battery at least 20 days in 24-hour mode
Battery Protection Feature	When the battery voltage drops below 11.5V, it closes the output and prevents it from drying out.
Dimming feature	Light brightness can be controlled (Compatible with battery voltage)
Smart Mode	The output level of the battery is given at 9 different brightness levels.
Certificate	TS EN 12352



SINYAL ROAD FLARE SET



Product	Sinyal Road Flare Set
Product Category	Traffic Safety Products

TECHNICAL SPECIFICATION

LEDs	12 pcs 5mm LEDs, 1 pcs White Power LED (Colors are optional)
Battery	Rechargeable 3.7 V Li-iOn Battery
Applications	Çevirme noktaları, araç durduma, kaza noktaları, acil durum uygulaması
Operating Modes	9 different operating modes
Charging Options	230 V AC or 12V cigarette lighter charger
Size	110 mm, 35 mm yükseklik
Operating Modes	8+1 Functions
Working Time	At least 35 Hours SOS Signal Type
	9 Different Flash Pattern



Functional Features

- It can be fixed on metal surfaces in horizontal or vertical position with 2 magnets.
- Average 3-hour battery full occupancy
- During charging, the red LED is ON next to the charging socket, and it turns green when fully charged.
- Seat belt fastener
- Seat Belt Cutting Apparatus
- Glass Breaker Apparatus
- Adhesion Magnets on Metal Surfaces
- Collapsible Hanger Apparatus
- Fabric carrying bag

POLICE LED BATTON

Product	Police LED Batton
Product Category	Traffic Safety

TECHNICAL SPECIFICATION	
LED	14 pcs of RED, 5 pcs of White 5mm LEDs
Charging Options	230 VAC or 12V Vehicle Type Cigarette Lighter Charger
Applications	Traffic control areas, warning in case of an accident
Functions	7 different modes, light warning, window breaker bar, cutter knife for seatbelt
Weight	220gr (330g as a set)
Sizes	35 x 70 x 330 mm
1. White Light 2. Sequential Light 3. Fast Flash Warning Functions: 4. Flip Flop Flash 5. SOS Signal (Emergency Light) 6. Red Steady Lighting 7. Off Mode	
Operating Time	With fully charge at least 8 hours
Operating Temperature	-40°C +70°C
Impact Resistance	12352 M4
Ingress Protection	IP65



General Specifications

- Can be fixed on metal surfaces in horizontal or vertical position with 2 magnets
- The battery reaches full charge level in approximately 3 hours. During charging, the red LED next to the charging socket lights up. It turns green when the charge is fully charged.
- Apparatus to cut safety belt in emergency
- Safety Belt Cutting Apparatus
- Car Window Breaking Apparatus
- Magnets Holding on Metal Surfaces
- Openable Hanger Apparatus

ALUMINUM SOLAR ROADSTUDS

S-SRS22 Yol Butonu

Kullanım Alanları

- Otoyollar
- Çevre yolları
- Hava alanları
- Tehlikeli yol bölgeleri
- Refüj başları
- Endüstriyel bölgeler
- Hastane ya da özel alanlar ve onların girişi
- Marinalar
- Otel ve eğlence yerleri

Dünya üzerindeki araçların sadece % 25 kadarı gece seyahat etmekte iken ölümcül ve ciddi hasarlı kazaların %50 si de aynı saatlerde meydana gelmektedir. Gece meydana gelen kazalardaki ölüm oranı 3 kat gündüz meydana gelen kazalardan daha fazladır. Gece görünürlüğü biraz arttırabilirsek her sene binlerce hayatı söndürmemiş, gözü yaşlı insanlar bırakmamış olacağız.

Güneş enerjili, çakar yol butonları çevre dostu, bakım gerektirmeyen öncü teknoloji ürünü güvenlik malzemeleridir.

Dünya standartlarında, yol, araç ve yaya güvenliğinin yanında çevre güzelleştirmeye de katkı sağlayan SİNYAL

SOLAR YOL BUTONU en düşük güneş ışığında dahi enerji depolaması yapabilmektedir.

Kablo ve kablo kanalı gibi masraflar gerektirmeden kolay montaj uygun fiyatı ile müşteri memnuniyetini kazanmış bir üründür.

Montaj

2 Adet vida -dübél ile de zemine tutturulabilir. Şaftlı ya da vidalı modelin montaj şekli farklıdır.

Şaftlı Buton Montajı

Şaftlı buton şaft çapında delinmiş olan delik temizlendikten sonra çift komponentli epoksi ile doldurulur ve üzerine buton yerleştirilir. Yapıştırıcı butonun görünen kısımlarına gelmemeli ve katılaşana kadar sabit durması sağlanmalıdır.

Vida Bağlantılı Buton Montajı

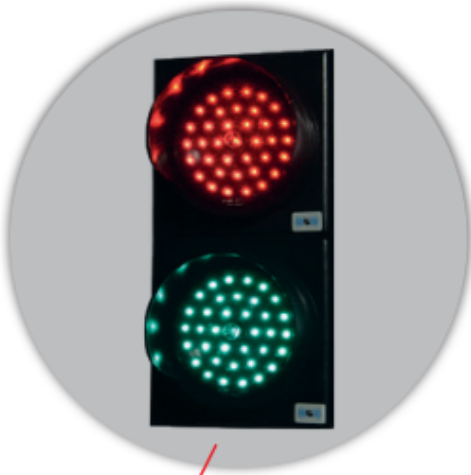
Vida bağlantılı buton kutunun içerisinde bulunan iki adet vida ve dübel ile bağlanır. Butonlar yol çizgisi üzerine monte edilmemelidir. Kaldırım üstü yol dikmesi ve beton bariyerler üstleri solar butonun görünürlüğünü artırırken güneş almalarını da kolaylaştırır.



TECHNICAL SPECIFICATION

Alüminyum AlSi9Cu3 Enjeksiyon metodu ile üretilir.	
Gövde Malzemesi	131 x 153 x 31mm
Ölçüler	720 Gr
Ağırlık	5mm yüksek parlak özellikli 30° açılı 8000 mcd
Led Özellikleri	2 X 2 LED VEYA 2X3 LED
Led Adedi	3 Volt , 100 mili Amp.
Solar Panel	1,2 Volt 800-1200 mAmp. NiMh
Batarya	Sarı, Kırmızı, Beyaz, Mavi, Yeşil
Renk Seçenekleri	Dış gövde çelik olup fosfat sonrası elektrostatik toz
Dış Gövde Malzemesi	hava ile boyanmıştır.
İç Gövde	Çizilme ve UV direnci artırılmış PC. Malzeme den
	enjeksiyon metodu ile üretilmiştir.
Malzemesi	IP67
Sızdırmazlık	Rohs uygundur
Kalite	30 derece
Led Açısı	10000mcd
Led Işık Şiddeti	1000 Metre
Görünürlük	

IR Loading Dock Sensor System



Product	IRLDS06
Product Category	Industrial Products

TECHNICAL SPECIFICATION

Operating Voltage	220VAC
Frequency	50Hz
Operating Temperature	-40°C to +60°C
Solar Panel	2x1,5 Volt, 100 mAmp
Weight	680 Gr
LED	Ultra High Brightness 30° 12000 mcd
5mm LEDs	
LED Quantity	2x2 LED
Color Options	Yellow, Red, White, Blue
Installation	2 pcs of Screws-dowels

A signaling system is needed to inform to wait or move the vehicle drivers in logistics systems. It was seen that the door positions could not be correctly detected with the existing switch sensors when considering the existing door systems at the loading docks. For this reason, it is determined that the door position is detected as opened or closed by an infrared distance sensor on the rail where the doors move. As a result vehicle drivers at the loading docks can understand door position via the signal heads. The system drives the traffic light as red when the dock is opened to make the drivers stopped. Green light is emitted when the dock is closed properly to indicate that driver may unlock safely.

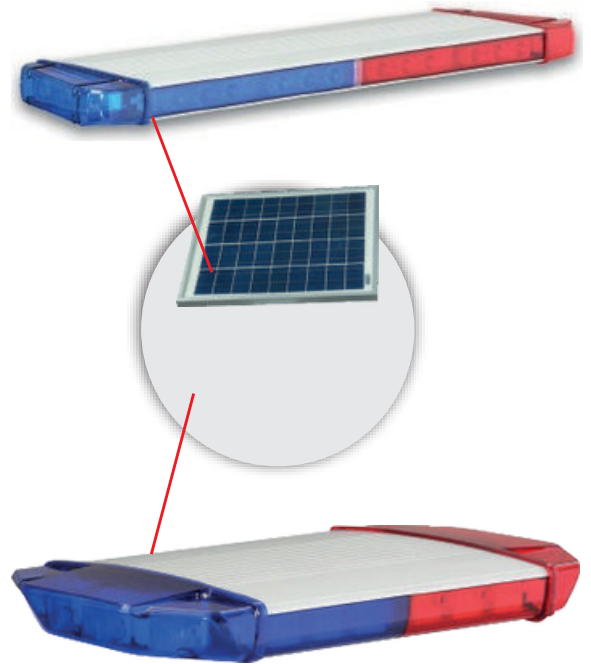
Working Principle of the System

When the door is moved upwards, the door closes the view of the infrared sensor and forms the information that the door is opened in the system. Relay outputs of the system change position when the door is opened. The signal heads connected to the relay outputs change light status according to the door position.

SOLAR POWERED WARNING LIGHTBAR FOR MODEL POLICE PATROL CARS

Product Code	SPWL-01
Product Category	Traffic Safety

TECHNICAL SPECIFICATION	
Operating Voltage	12 V
Current Consumption	0.2 Amper
Charging Type	MPPT
Battery	12V, 18 A-h Gel Battery
Solar Panel	20 Watt Polycrystalline
LED	6 pcs red, 6pcs blue Power LED
Ingress Protection	IP55
Dimensions	50*28*6cm
Material	PolycarbonateUV
Operating Temperature	-40°C +70°C



With 18A-h Gel Battery and 20 Watt Solar Panel, the system works for 20 nights when operated in night mode without any solar power. Constant current LED driver and custom designed LED technology gives an oppourtunity to use more than 100.000 hours. The product operates in 2 different modes: night / day or night only. The flashing frequency is set in 8 different modes.

STONE WITH LEDS 10X10CM



Product Code	ISK10
Product Category	Industrial Products

TECHNICAL SPECIFICATION	
Operating Voltage	12VDC
Operating Temperature	-40°C / +115°C
Ingress Protection	IP68
Compressive Strength	80 tons
Life Expectancy	More than 10 years
LED	100.000 hours
Impact Resistance	8 KJ/m2
Bending Strength	90 Mpa
Water Absorption	0,2 g/cm3 53479

	Color	Power (W)	Current (A)	Lumenious(LM)
	White	0,240,0221		
Daylight	0,240,0215			
	Red	0,480,0416,8		
	Green	0,240,0215		
	Blue	0,240,024,2		
	Orange	0,480,0413,2		

Scope of application;

- In road and square structuring,
- In architectural decorative designs,
- Building exterior lighting,
- In the direction of industrial facilities,
- Directional and warning signs in dark squares and roads,
- Landscape applications in park and garden areas,
- Floor and wall applications in pools,
- In highway junctions, tunnels and borders,
- In applications used for advertising and promotional purposes,
- All kinds of illuminated logo applications

SOLAR LIGHTING ARMATURES



SYN-M72S



SYNSLS1



SYSM60



SYNHPS1Y



SYNSLSM



SYSELS1



SYSM40



SYSM40



SYNLS1



SYSLPMP-20



SYSLPMP-40



SYSLPMP-60



SYSPL



SYSAIO40



SYSM40

TRAFFIC CONES, DELINEATORS AND ROAD SPEED BUMPS



SYS2101



SYS2076



SYS2046



SYS2031



SYS2030



SYS2045



SYS2075



SYS2100



SYS3152



SYS3076



SYS3270



SYS3200



SYS3700



SYS37001



SYS3550



SYS3090



SYS5200



SYS5250



SYS5350



SYS5545

REFERENCES





: VENORIAO@GMAIL.COM



: AHMAD BENSHI



: İSTANBUL/TÜRKİYE



: 0 506 060 91 42