



SINYALIZASYON
ARGE

ANTRA INTERSECTION CONTROLLER DEVICE

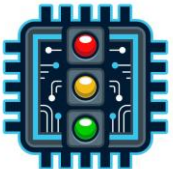
ANTRA

 Antra smart traffic controller is manufactured by Sinyalizasyon Electronics to provide traffic regulation and pedestrian safety.

 The intersection controller device is a technology that ensures traffic and environmental safety by operating the signal lamps with built-in infrastructure installed on existing junctions.




<http://www.sinyalizasyon.com.tr/antra-antra32>



IvedikOSB Mah. 1439 Sok.
No 12 Yenimahalle
ANKARA TURKIYE
TEL: 0 312 395 3545

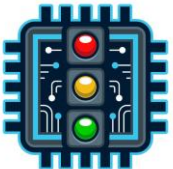
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info@sinyalizasyon.com.tr

ANTRA

 With the security functions on the device, features such as lamp outbreaks, infrastructure problems, police control, detector and green wave systems are offered to users. It also makes date-time shifts and automatic summer and winter time adjustments, by GPS and internet connection. Thus it is possible to optimize the traffic signalling using up to 32 dedectors.



<http://www.sinyalizasyon.com.tr/antra-antra32>



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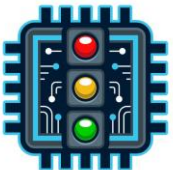


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ANTRA PLATFORM

CPU Module	Output Cards	Demand Card
GPS Module	Smart Card	Loop Dedectors
Cameras	Radars	SCADA Systems
Antra Desktop	TrafficOnMAp	3rd party protocols



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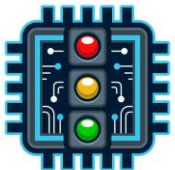
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info@sinyalizasyon.com.tr

ANTRA PLATFORM

Antra is a modular designed traffic signal controller that can be extended from small size pedestrian crossing controller to big intersections depending on your needs.

Antra can control 3 different intersections simultaneously in different modes: Green Wave, Warned mode (Detector) or fixed time.

When actuated mode is activated, Antra can jump the empty directions or operate different phases depending on sensor information.



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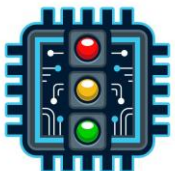
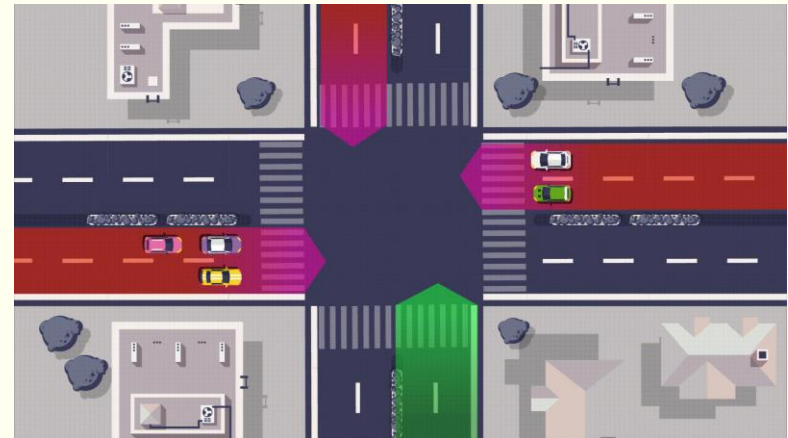
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ANTRA PLATFORM

Using GPS technology, Antra is able to synchronize its time and work with other intersections to provide continuous green light at a constant speed.

Antra can operate 32 loop detectors at the same time. It is possible to integrate any sensor that has dry contact, RS485 or Ethernet interface. Sinyal R&D team is ready for your demands.

Antra includes a Linux based smart card for your high level applications. It makes possible to any kind of protocol or API for integrations.



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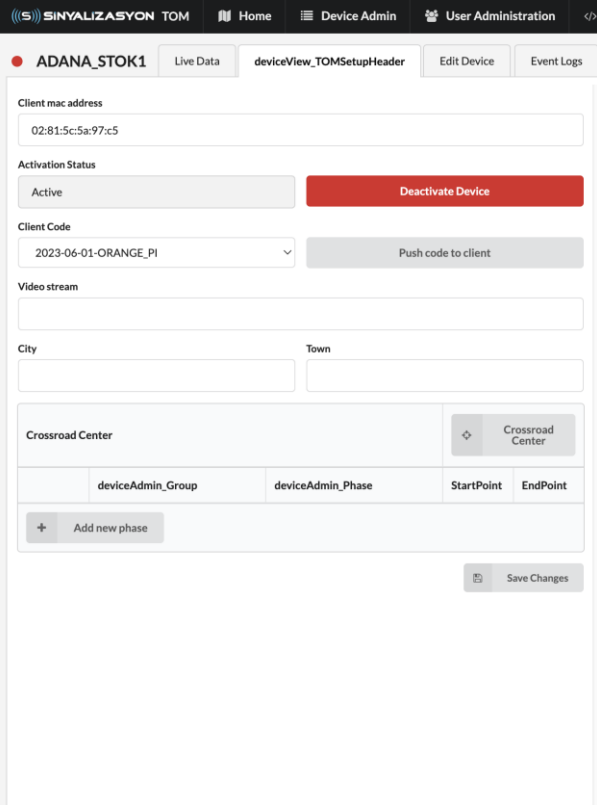
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ANTRA PLATFORM

Smart card makes you enable write your own code for specific tasks.

Thus built-in SNMP Agent makes you ready for any MIB integrations. Antra is already capable of meeting SNMP based NTCIP 1203 MIB object construction.

Antra can use GPRS or Ethernet interfaces to connect internet applications. GPRS modem is included on the smart card.

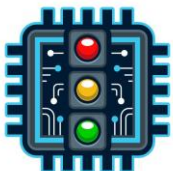


The screenshot displays the web interface for the ANTRA PLATFORM. The top navigation bar includes 'SINYALIZASYON TOM', 'Home', 'Device Admin', and 'User Administration'. The main content area is titled 'ADANA_STOK1' and contains several configuration sections:

- Client mac address:** A text input field containing '02:81:5c:5a:97:c5'.
- Activation Status:** A dropdown menu set to 'Active' and a red 'Deactivate Device' button.
- Client Code:** A dropdown menu set to '2023-06-01-ORANGE_PI' and a 'Push code to client' button.
- Video stream:** An empty text input field.
- City and Town:** Two empty text input fields.
- Crossroad Center:** A section with a 'Crossroad Center' button and a table below it.

deviceAdmin_Group	deviceAdmin_Phase	StartPoint	EndPoint
+ Add new phase			

A 'Save Changes' button is located at the bottom right of the configuration area.



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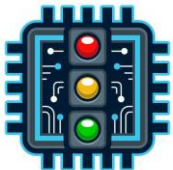
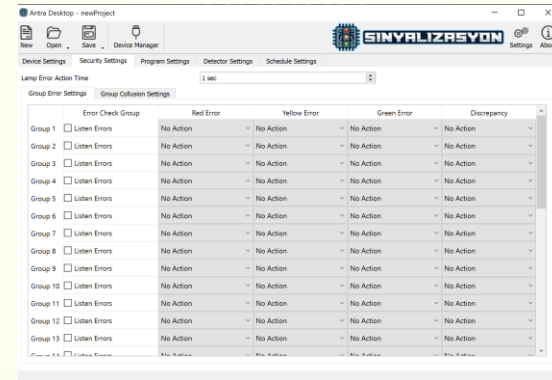
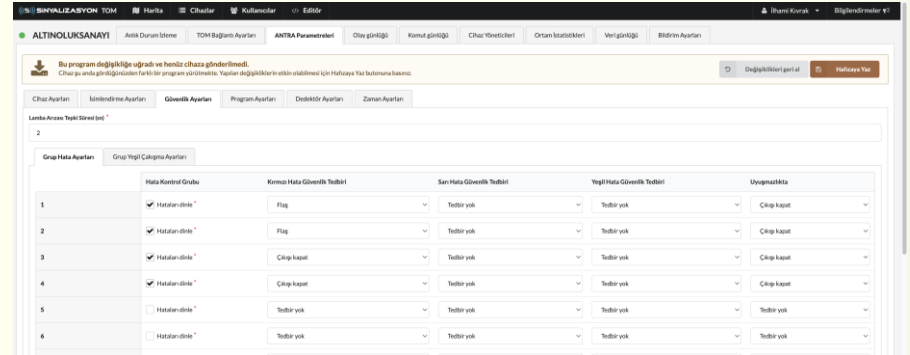
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ANTRA PLATFORM

It is possible to set collusion matrix to prevent green light conflicts in between traffic lights.

So the error action can be turned on and off for each color of each group. Antra desktop allows you to choose actions for errors that may occur during operation. Action on the error can be disabled or flash mode or stop mode can be selected for each color of the outputs.

Antra can detect possible lamp failures or line short circuits.



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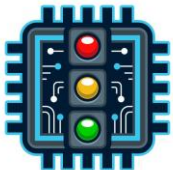
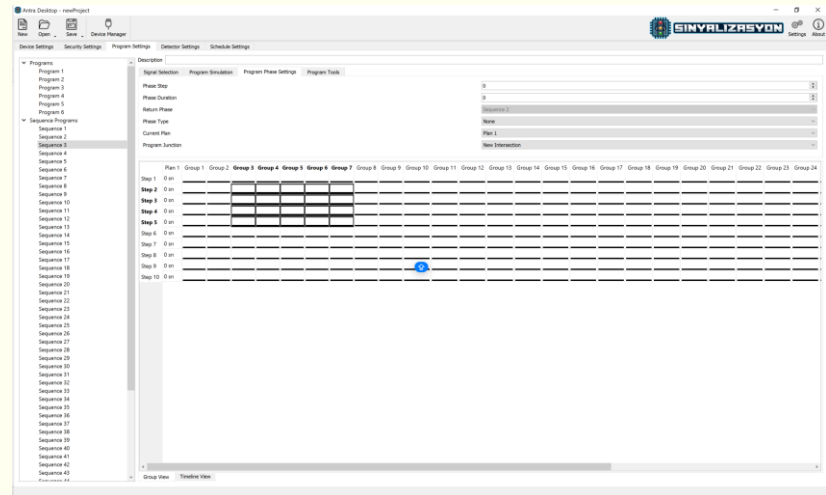
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ANTRA PLATFORM

Antra Desktop has an interface that could be learned in couple of hours.

Multiple lines can be selected, edited, copied and pasted simultaneously; Redo and undo features are available.

25 different time could be set for each intersection. In addition each signal plan has 5 different timing options that prevent you to write same signal plan of different timings.



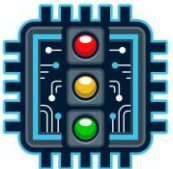
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ANTRA PLATFORM

Antra has a protocol to be managed by 3rd party controllers. 3rd party controller might be an industrial computer or a software connected to Antra's RS232 interface by replacing Antra's smart card.

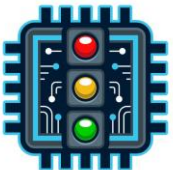
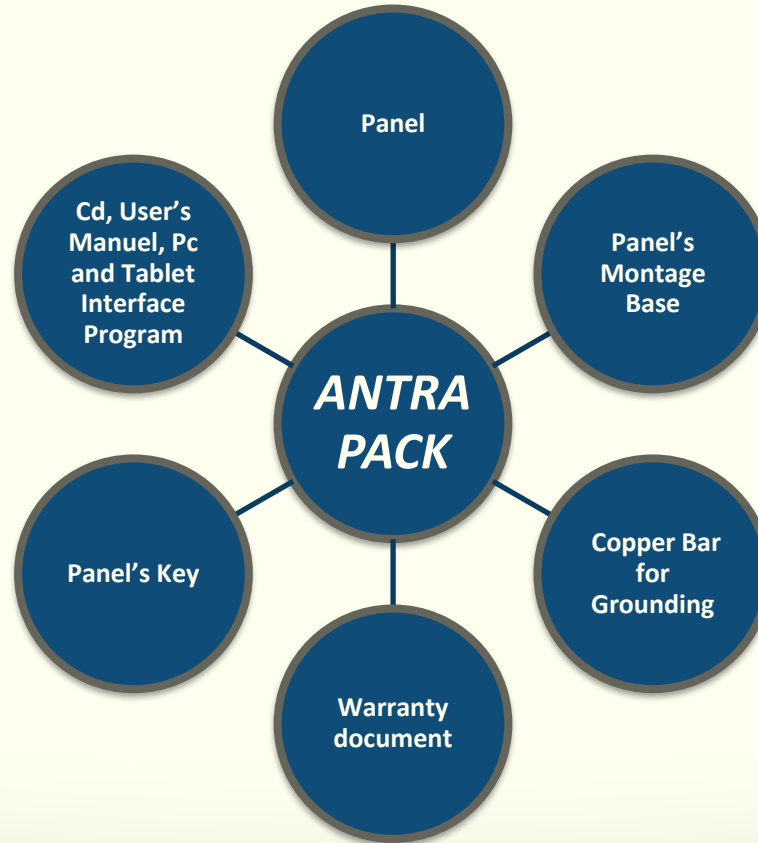
This allows you to integrate any technology that may exist or be developed in the future. Antra allows 3rd party to manage traffic while ensuring traffic security.



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ANTRA PACK



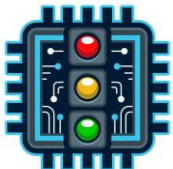
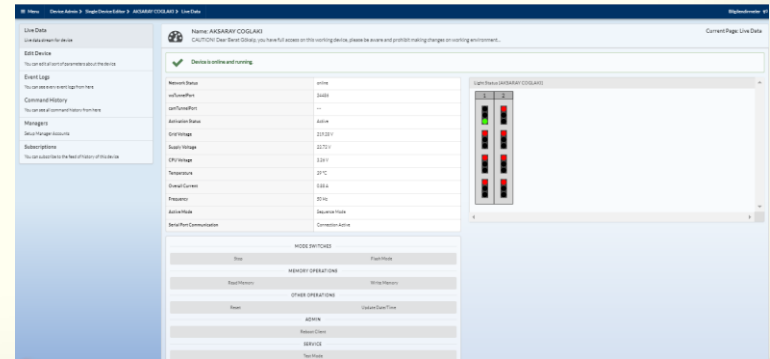
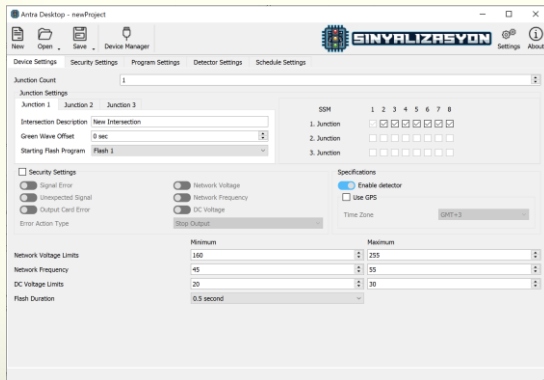
USER MANAGEMENT



Different user permissions for different levels of access. Every user action is logged.



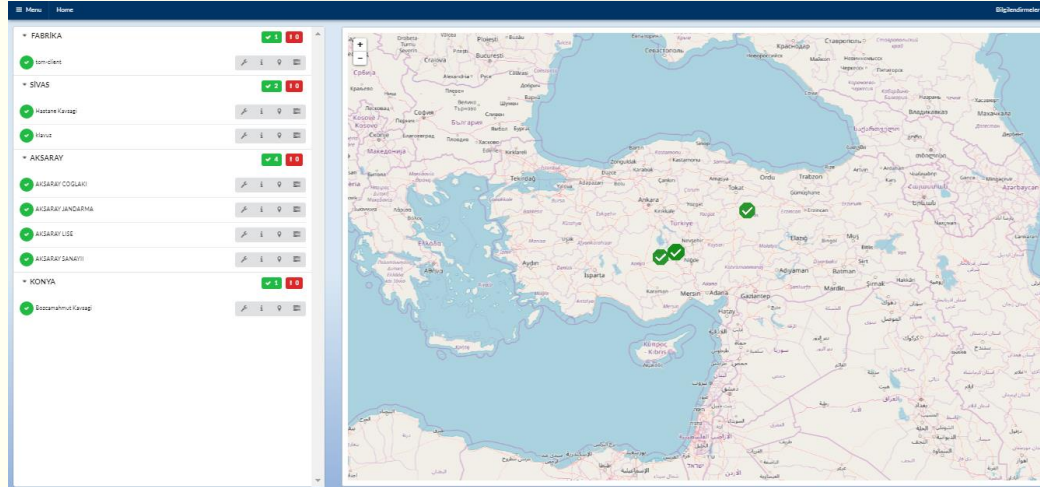
Program loading and full access on ANTRA intersection controller, loading and full control via RS485, WI-FI, internet (cloud) system are provided. Programming via the cloud server by logging in from www.trafficonmap.com, first the serial number of the HEPI modem board of the device being operated is changed, the name of the assembly is written and the device is activated and the device is activated for programming.



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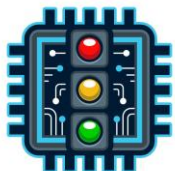
CONTROL FROM ONE CENTER



The Antra Intersection Controller has the ability to control all of the intersection controllers in the city from the center with the TrafficOnMap Server.



The device has RS485 cable and it can be programmed from the side of the product as well as the ANTRA Intersection controller can be programmed via remote access via Trafficonmap server.



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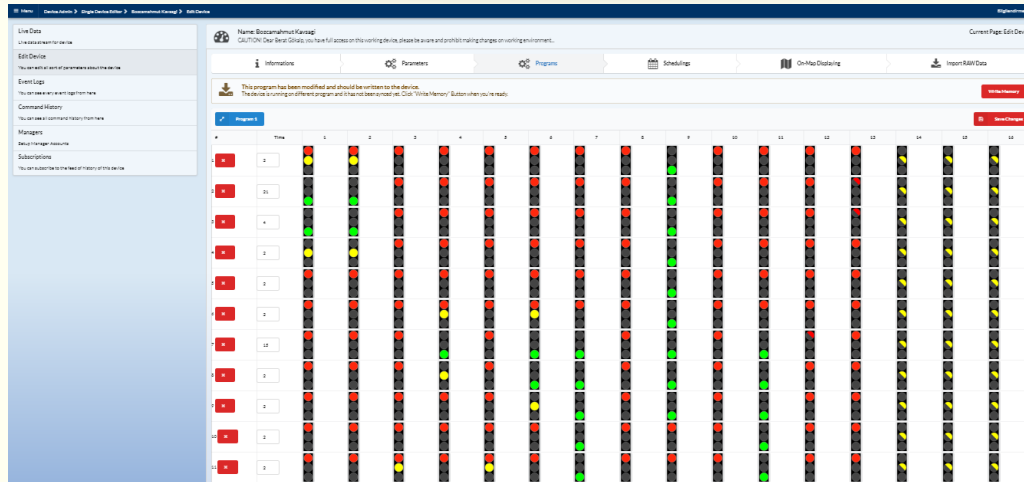
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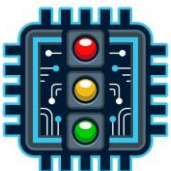
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TEST PROCEDURE



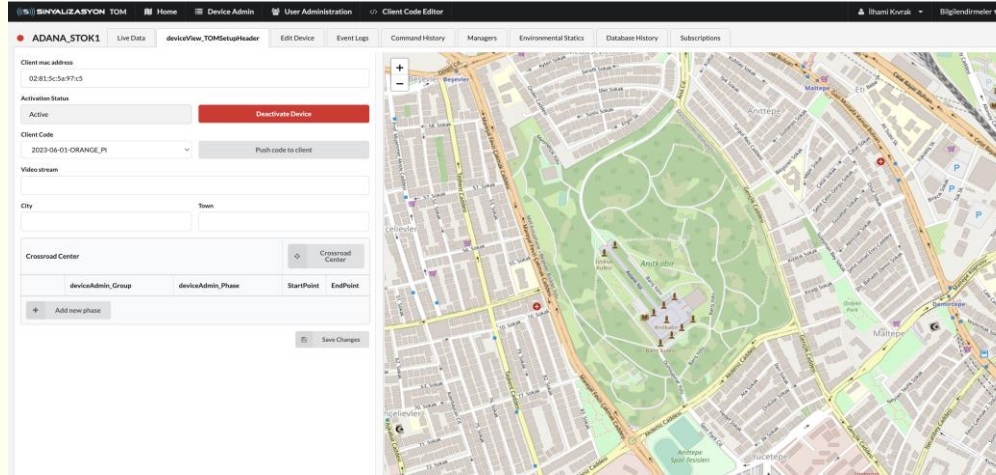
TEST PROCEDURE: The cards and the groups defined on the device used with the service purpose are displayed on the screen as a representative of the traffic lights by clicking on the mouse with the individual desired lamps flashing mode. Thus, it is much easier to detect line faults and correct faults are eliminated in a short time.





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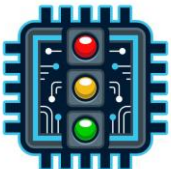
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REMOTE ACCESS





 Problems and device information can be detected instantly through the Trafficonmap server, such as operational status, any fault conditions, infrastructure problems, high voltage and low voltage faults, lamp breaks and lamp burning.


 In addition, information such as main voltage, activation status of the device, power supply voltage, processor voltage, temperature of the device, total current drawn, frequency, mode in which it operates etc. can be monitored instantaneously.





SUPERIOR PROTECTION

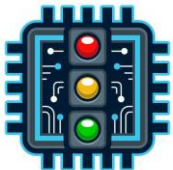
 The Antra Intersection Control Device has been produced taking into account the extraordinary requirements from design to production.

 **HIGH VOLTAGE PROTECTION (PARAFUDR)** Protects sensitive electronic components on the device by throwing lightning or high voltages coming from the network into the ground in one go.

 **EMI-RFI FILTER** Corrects the frequency of dirty harmonic signals and radio noise from the network, so that the device operates more healthily.

 **V CUTTER AUTOMAT** cuts the phase and neutral connection when interfere with the field or device.

 **0.3A LEAK CURRENCY FUSE** It will switch itself by switching on 300mA leakage currents that may occur on the system.



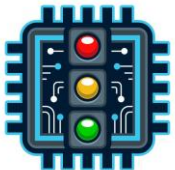
SUPERIOR PROTECTION

SIGNALIZASYON SOURCE RAY TYPE GROUNDING PLUG: When it is necessary to intervene in the device, 0.3A leakage current fuse, 220v is used by closing the device.

SIGNALIZASYON SOURCE 0.03A LEAK CURRENT RELAY: Relay of 30 mA human protection leakage current. It is possible to cut off the energy in the event of a crash or accident which may occur in the poles and substructure via the lamp outlets.

Kırmızı Hata Güvenlik Tedbiri	Sarı Hata Güvenlik Tedbiri	Yeşil Hata Güvenlik Tedbiri
<input type="text" value="Flaş"/>	<input type="text" value="Tedbir yok"/>	<input type="text" value="Tedbir yok"/>
<input type="text" value="Flaş"/>	<input type="text" value="Tedbir yok"/>	<input type="text" value="Tedbir yok"/>
<input type="text" value="Çıkışı kapat"/>	<input type="text" value="Tedbir yok"/>	<input type="text" value="Tedbir yok"/>

Error Check Group	Red Error	Yellow Error	Green Error
Listen Errors	No Action	No Action	No Action
Listen Errors	No Action	No Action	No Action
Listen Errors	No Action	No Action	No Action
Listen Errors	No Action	No Action	No Action
Listen Errors	No Action	No Action	No Action
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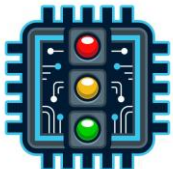


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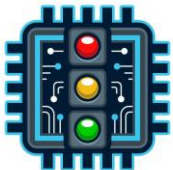
DEVICE PROPERTIES

- Vehicle detector
- Synchronous operation
- Police control
- 32 vehicle or pedestrian groups
- Test operation
- Programmable flasher
- Step by step flasher
- Security against green conflict
- Pedestrian button

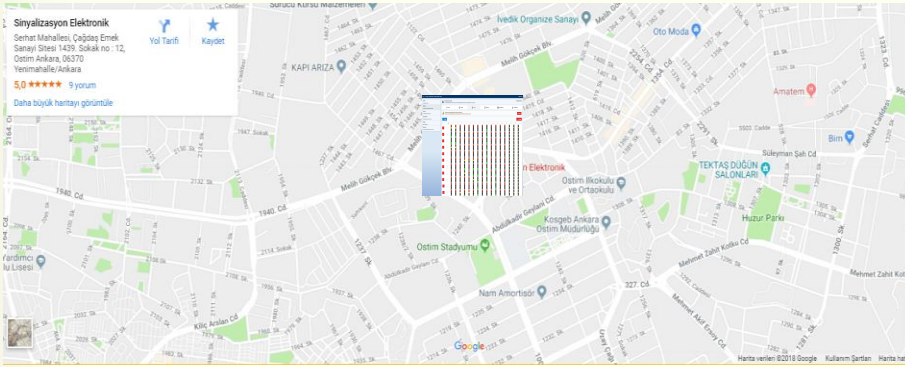


DEVICE PROPERTIES

- Can identify missing lambs in all color
- Automatic turn-off in the event of a direction red lamb failure
- Full electronic modular construction
- Can operate at 220V -%20 +10% voltage range
- Enhanced security measures
- Electronic real time clock
- 25 different programs for 7 days A week
- Flasher
- Green wave system



CONTACT



Address

Çağdaş Emek Sanayi Sitesi 1439. Sokak
No:12 Ostim / Yenimahalle - ANKARA



TELEPHONE

0312 395 35 45



Website

www.sinyalizasyon.com.tr



E-Mail

info@sinyalizasyon.com.tr



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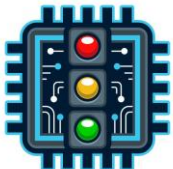
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