



ROAD SAFETY SOLUTIONS.



WE POINT THE WAY

MOBILE
TRAFFIC LIGHT SYSTEM
LZA 500-LED



SWITCH TO SAFETY

Easy to use, with many applications: the mobile traffic light system by Nissen provides for reliable and safe traffic controls at road construction sites irrespective of whether a simple bottleneck or more complex crossing situation is involved.

When it becomes necessary to work on a road, problems with traffic flow are an inevitable consequence. If there is also a high volume of traffic, congestion and even accidents can result. With its LZA 500-LED mobile traffic light system developed and constructed in-house, Nissen provides a way of ensuring trouble-free and safe maintenance of traffic circulation.

OPTIMALLY POSITIONED

The LZA 500-LED is of straightforward but robust construction and has an intuitively designed menu that excludes the risk of incorrect operation. The system can be used practically anywhere and can be adapted to the specific needs of the situation.

Ease of use

Select from 52 pre-installed and self-explanatory programs depending on the size of the construction site and the vehicle speed. It is also possible to store up to 99 user-specific programs in its memory. A user prompt system and automatic plausibility check make operation child's play.

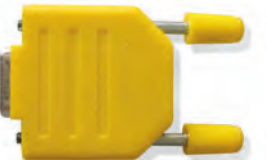


Flexible programs

You can set up the system for operation in accordance with six different programs on each day of operation and thus accommodate it to any situation. Green and clearance phases can be manually entered or automatically calculated.

Clearly defined authorisations

In quartz mode, the pilot acts as program memory to ensure appropriate synchronisation of lights.



If the system is wireless or cable-operated, the pilot protects the system against unauthorised interference.

Country-specific configuration

Even in its basic version, the LZA 500-LED comes with 13 different languages and default settings. In addition, seven country-specific light sequence cycles are available.

Long service life

The powerful rechargeable battery is accommodated in the transducer trolley. Thanks to the energy-saving LED technology, the system can be operated for up to 12 days on a single charge.

Practical timer

The integrated GPS receiver allows use of the timer function and the pre-programming of various day and weekly sequences.

Simple to transport

The LZA 500-LED can be folded together for transport. This means you can transport a full traffic light system for a crossing on a single trailer.

Security during transport

When the system is folded together, the receiver mast can be securely attached to the transducer trolley, ensuring there is no risk of damage during transport.



ALL CLASSES

Depending on the specific need, the LZA 500-LED can readily be adapted to the specifications of any light system class and thus conform to the stipulations of German RiLSA and TL-LSA.

Type C

Fits every situation: The LZA 500-LED configured according to Type C includes all the functions of Types A and B and therefore covers all requirements.

- Can be adapted to traffic density
- Radar sensors detect traffic flow
- Automatic green phase extension or operation as required
- 34 optional additional basic programs for sensor operation



Type B

- Wireless reception or cable operation for up to 500 m distance
- Automatic synchronisation
- For use in less conspicuous situations
- Signal securing system prevents simultaneous green signals



Type A

- Quartz mode for **visible** construction sites
- No signal safeguard
- Construction site length of maximum 50 m
- Time stable thanks to the integrated GPS receiver
- No wireless or cable connection required



Traffic Light System LZA 500-LED

- Compact and handy design (38 kg without battery)
- 7 country specific signal sequences and 13 languages selectable
- 52 preprogrammed program sequences selectable
- Programming wizard for individual program sequences
- Traffic-dependent control system (optional)
- Radio operation up to 4, cable operation up to 16 signal transmitter
- Stand pipe fixation for steel as standard
- Imitator operation (optional)
- Integrated GPS receiver
- Imitator operation



Light colour
red, yellow, green



Max. light intensity
400 cd red, 300 cd yellow,
300 cd green



Av. power consumpt. day
0.45 A



Operating voltage
12 V



Dimensions (WxH)
340 x 200 mm



Light colour
red



Max. power consumption
1.0 A



Operating voltage
12 V

Traffic Light System LZA 500-LED

Ref. No.

Quartz LZA 500-LED 2 signal transmitters with sunshades, 2 carriages and 1 pilot	145562-151
Quartz LZA 500-LED with radio report, 869 MHz 2 signal transmitters with sunshades, 2 carriages, 1 pilot and 2 radio modules	145562-353
Quartz LZA 500-LED FVG/FVA with radio report and radar sensors for traffic-dependent operation, 869 MHz 2 signal transmitters with sunshades, 2 carriages, 1 pilot and 2 radio modules	145562-355

Accessories and Spare parts

Ref. No.

Charger 230 V/12 V 17 A, with batterie clips	070074-17-50
Contrast shield	080158-2
100 m signal transmitter connection cable for cable operation	400227-1

Operating time with one battery set

With rechargeable battery 12 V, 180 Ah	550 hrs
With rechargeable battery 12 V, 230 Ah	700 hrs



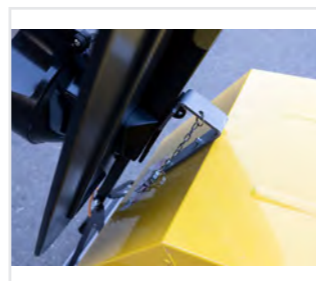
Radar sensor



Control panel



Contrast shield



steel tube fixing

More information
NIS-00082
To be entered on nissen-germany.com

Test number:
NI-0910002

LED-Counter for LZA 500-LED

- Countdown timer for traffic light systems
- Displaying during the whole red phase
- Adjustable range up to 9:59 minutes
- Continuously adjustable hinge joint
- Connected and supplied directly by the LZA 500
- Low power consumption



Dimensions (WxH)
340 x 200 mm



Light colour
red



Max. power consumption
1.0 A



Operating voltage
12 V

LED-Counter for LZA 500-LED

Ref. No.

Retrofitting Counter Module for LZA 500-LED, Countdown timer for red phase, ext. version, Counter Module 1710 RGB with holder	245602-13
Original equipment Counter Module for LZA 500-LED, Countdown timer for red phase, ext. version, Counter Module 1710 RGB with holder	245602-14



LED-Counter for LZA 500-LED

More information
NIS-00295
To be entered on nissen-germany.com

MORE OPTIONS

Thanks to the range of optional extras, the LZA 500-LED can be adapted to almost any situation.



Radar sensors

Radar sensors

Sensors detect every vehicle approaching the system for traffic-dependent control.

Signal auto-operation

Avoids unnecessary waiting by motorists at quiet times. All signals are set to red until a vehicle approaches and the green signal is triggered for its direction of travel.

Green phase extension

Allows the green phase to be adapted to traffic density, thus improving traffic flow.

Counter

A counter in the amber light shows the remaining seconds until the next green phase. Motorists can see when they'll be able to start and whether it is worth switching off the motor.



Detector porte

The LZA 500-LED has an additional porte. This can be used to implement special solutions for rescue services or public transport, for example (external triggers required). Providing for a suitable clearance phase, the system will then automatically switch to green to allow these priority passage.

Signal hood

Ensures ready recognition of the signal even against the ambient light. Even with the hood in place, the LZA 500-LED can be readily folded together.



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