

TRAFFIC COB

- TRAFFIC COB 1000 (APE-244/0410)

- TRAFFIC COB 2000 (APE-244/0420)



1. General description

The TRAFFIC COB linear signal is a LED luminous device designed to visually signal the status of implants, gates or automation systems.

Thanks to its double light (red and green) it gives a clear and immediate indication of operating status, especially suited for industrial application and access control.

The COB LED technology guarantees uniform and continuous light along the whole length of the lamp, with adjustable intensity.

The device can be shortened during the installation following the designated cutting spots, to fit various application needs.

2. General warnings for installation and safety

The product must be used exclusively for its intended purpose; any improper use is dangerous and can cause damage and safety risks for the user. AB Tecno Srl doesn't answer for accidents caused by incorrect use, installation or nonprofessional applications.

Before any procedures the power supply must be unplugged and the installation, inspection and maintenance of the device must be entrusted to qualified personnel, in compliance with current regulations.

The user can only follow the operations specified in the manual and must contact an installer for any technical intervention, guaranteeing regular checks and maintenance.

Eventual modifications of the product, such as cutting the bar, must be executed exclusively in the designated spots following the manufacturer's instructions.

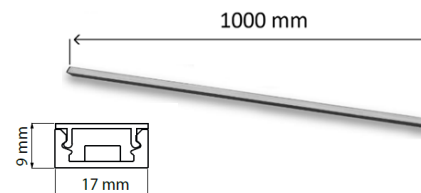
Packing materials and components must be kept away from children and must be disposed according to local regulations.

3. Technical features

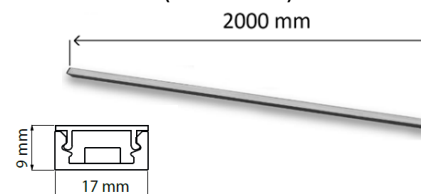
Name	Value
Lamp type	COB LED
Light color	Green/Red
Power supply	24V DC
Degree of protection	IP65
Wiring	Lateral exit, three-wire cable
Profile	Dark grey aluminum
Mounting	4 springs included
Operating temperature	from -20°C to +60°C
Power TRAFFIC COB 1000	10 W
Power TRAFFIC COB 2000	20 W

4. Dimensions

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5. Note for the installer

- COBLED must be powered by 24V DC, following the product's technical specifications.
- The device must be installed on a stable and permanent surface, placed in such a way to guarantee maximum visibility of the light signal.
- Avoid places prone to water stagnation, leaks or dirt build-ups that could compromise the correct functioning and visibility of the device.
- Complete the electrical connections according to the current regulations, using suitable cables and guaranteeing properly insulated and safe connections.
- Before any intervention, unplug the power supply.
- After the installation verify the correct functioning of the device.

6. Mechanical assembly

TRAFFIC COB must be installed on a stable flat surface, either horizontally or vertically, depending on the application.

It must be mounted using the provided springs, that allow fastening the device on the installation surface.

Place the device in the desired spot and apply the mounting spring making sure that the device is fully fastened and correctly aligned.

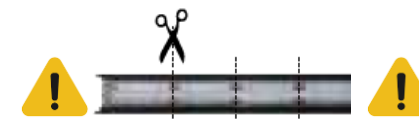
Verify that the installation ensures the device's stability, avoiding any movement or clearance. Avoid installations on surfaces not suitable or subjected to excessive vibrations.

Shortening the device

TRAFFIC COB can be shortened to adapt to any installation need. It must be cut exclusively along the designated cutting areas indicated on the device.

Use appropriate tools for the procedure, making sure not to damage the internal components.

After the cut, please apply appropriate sealant, such as silicon, on the end, to preserve the device's degree of protection.



7. Electrical connections

TRAFFIC COB is powered by 24V DC and it's equipped with a three-wire cable for independent control of the light signals.

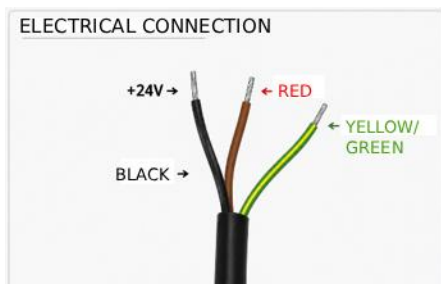
The connections must be completed as follows:

- Black → positive power supply (+24V);
- Red → red light command;
- Yellow/Green → green light command.

The green and brown conductors must be connected to the command exits, to manage separately the two signals,

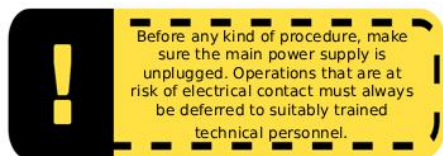
Use suitable cables that are compliant with current regulations, guaranteeing properly insulated stable connections.

Avoid exposed junctions and ensure appropriate protection from water and humidity.



Brightness adjustments

Eventual brightness adjustments can be done through compatible control devices (dimmers) installed upstream of the power supply.



8. Functioning modes

The TRAFFIC COB signal is a luminous LED device with double signaling.

The device's functioning depends on the signals applied to the command conductors:

By activating the command connected to the red light, the signal emits a red light

By activating the command connected to the green light, the signal emits a green light

The different colors can be managed independently depending on the state of the system.

9. Information for the user

The user must use the device exclusively for the intended purposes, checking periodically its correct functioning and reporting eventual anomalies to the installer.

The product must be cleaned exclusively externally, while unplugged, with a dry or slightly humid cloth. Do not use aggressive detergents or jet of water directly onto the device.

It's forbidden to open, modify or try to repair the device. In case of malfunctions or damage, contact qualified personnel.

The signal's visibility mustn't be obstructed or reduced.

10. Warranty and Certifications

The warranty covers the device for 24 months past the purchase date. If during that time malfunctions imputable to manufacturing occur, the product will be repaired or exchanged, at the discretion of the warranty manager, without any cost for the client.

The warranty doesn't cover mechanical damage, damage caused by heat or flooding, failures

caused by the user's intervention, weather or components subjected to normal wear and tear.

The recognition of warranty coverage for a defect doesn't give rights to any reimbursement or compensation for missing profits or closure periods.



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