



DNV2000

Pedestrian Request Button

The DNV2000 is a capacitive-activation pedestrian push button designed for installation at signalized pedestrian crossings.

It operates in combination with the DNV2000 acoustic device to allow crossing requests from both sighted pedestrians and visually impaired individuals, in full compliance with the regulations established by the Highway Code.





General Features

The request device is designed to serve two types of pedestrian users:

- Sighted pedestrians
- Visually impaired pedestrians

Request by Sighted Pedestrians

When a sighted pedestrian presses the button, the device sends a request to the traffic controller, which:

- Inserts the pedestrian phase into the traffic light cycle;
- Sends feedback to the device, activating a green LED indicator confirming that the request has been successfully registered.

Request by Visually Impaired Pedestrians

When the request is made using the dedicated button for the visually impaired, the signal is transmitted to:

- The DNV2000 acoustic device mounted on the same pole, which:
 - Stores the call;
 - Sends an "accepted request" signal to the request device to activate an acoustic signal (in compliance with paragraph 4.2 of standard CEI 214-7);
- The request device installed on the opposite pole, which sends the request to its corresponding acoustic device;
- The traffic controller, which manages the call as a standard pedestrian request.

If the request is made during the green light phase of the pedestrian signal, it is stored in memory and transmitted again to the controller in the next cycle.

Note: The request device does not include an independent acoustic signal. For acoustic feedback, it must be paired with a DNV2000 acoustic device for visually impaired users.

Technical Features

- Material: Polycarbonate enclosure;
- Protection rating: IP55, resistant to dust and water splashes;
- Button type: Anti-vandal push button for standard pedestrian request;
- Visual indication: Green high-intensity LED confirming request registration;
- Button for the visually impaired: Mechanically compliant with CEI 214-7 standard;
- Tactile directional arrow: In compliance with CEI 214-7 standard;
- Standard screen printing: With symbols and instructional markings;
- Cable passage: Protected by a sealable collar integrated into the pole opening, ensuring watertightness after installation;
- Pole mounting options:
 - Using two M6 bolts in dedicated slots;
 - With "Band-it" metal straps.
- Request confirmation signal (for visually impaired users):
 - Frequency: 2000 Hz $\pm$ 10%;
 - Sound pressure level: 50 dBA at 1 meter.

