

R-Loop – Adjusting a presence area for an entry/exit station

Device family: Radar scanners

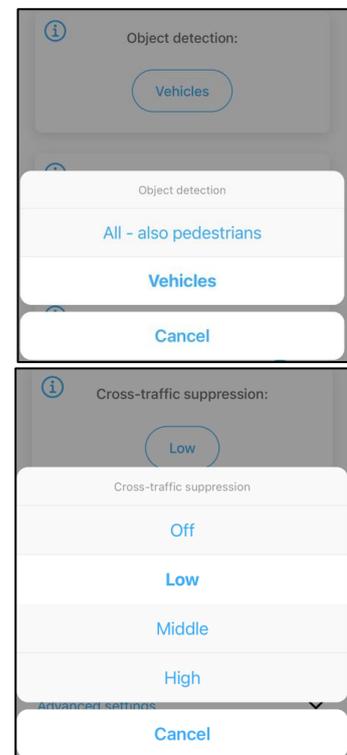
Topic:

The R-Loop can fully cover two induction loop functions. This eliminates the need to install conventional induction loops for your barrier system. A typical configuration that can be covered by the R-Loop is the setting of a safety area for the barrier in combination with a presence area at the control device / ticket dispenser. This ensures that a ticket dispenser can only be activated when a vehicle indeed stops in front of the entry or exit station. This document contains some information on how to set the presence field correctly.

Default settings:

Enter the required length and width of the presence area in the default settings. By default, the R-Loop only detects vehicles in the presence field - if necessary, you can change this by selecting 'All, also pedestrians' under 'Object detection'. This mode should not be used if you only want vehicles to be detected.

Depending on the entry and exit situation on site, passing vehicles may cross the presence area. In the case for example of entry and exit configurations with cameras for licence plate recognition, this can lead to unintentional openings. This cross-traffic can be suppressed to prevent false triggering. You can choose from various sensitivity levels in the settings. Please note the information on cross-traffic suppression by tapping on the  and then select the appropriate sensitivity level based on your individual situation on site.



Advanced settings:

You can further customise the presence area in the advanced settings. For example, you can decouple the presence field from the safety field if the local conditions require it.

PLEASE NOTE:

You can reconnect the presence field flush to the safety field at the touch of a button by tapping on:



Application Note

A103



To obtain a presence check on an entry/exit station, it is essential that the correct signal type is set. First, make sure that the output itself, i.e. the contact, is activated. To do this, tap on the corresponding slider. Then select between a normally open (NO) or normally closed (NC) contact. The default setting for the signal type is 'Continuous signal' - this means that the contact remains active as long as a vehicle is detected in the presence area. However, you can also choose between a pulse or a repetitive pulse.

PLEASE NOTE:

The choice of the correct contact and signal type depends on the internal wiring of the host system!

