

## Connecting the magnetic loop

(Loop perimeter = 6,000 mm / Connecting cable = 9,000 mm)  
with the PIC 4410, Intellidrive 400 or CS 300/310 boxes

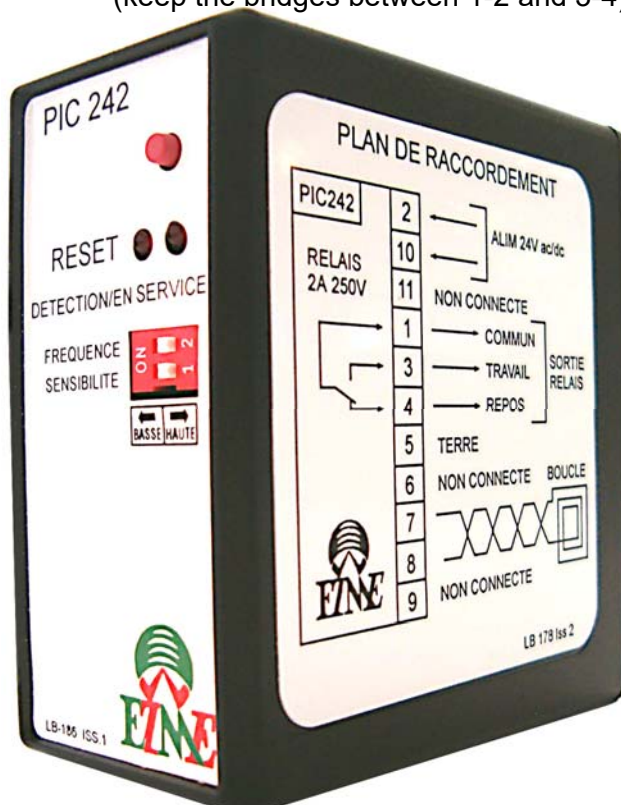
Connect the magnetic loop

### Terminals 7 and 8



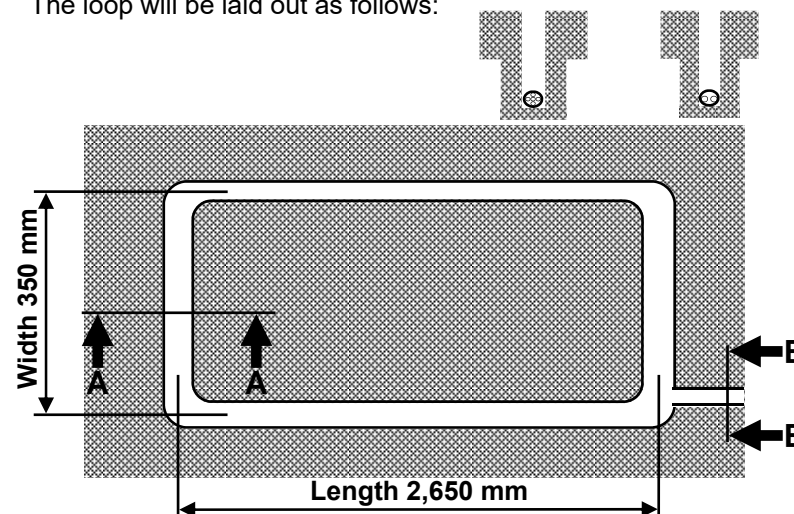
**Terminals 1 and 3**  
to terminals 3 and 4 of the PIC 4410 box  
**or**  
to terminals 22 and 23 of the Intellidrive 400 box  
**or**  
to terminals 7 and 8 (terminal strips x3) of the CS 300/310 box  
(keep the bridges between 1-2 and 3-4)

**Terminals 2 and 10**  
(24V ac/dc power supply)  
to terminals 15 and 16 of the PIC 4410 box  
**or**  
to terminals 14 and 15 of the Intellidrive 400 box  
**or**  
to terminals 1 and 2 (terminal strips x4) of the CS 300/310 box



The loop must be installed under the surface of the pavement where the signal must be detected.  
The cable used must be at least 1.5 mm<sup>2</sup> thick.  
Opt for a cable with screen (connected to ground on the detector side) if the loop output is in contact with other cables in the same sleeve or if it is very long (max. 75 m).  
In addition, the output should be twisted by at least 25 turns per meter.

The loop will be laid out as follows: **Cross-section A** **Cross-section B**



### Installation of a loop on site:

Create a rectangular channel that is the same thickness as the concrete disc (12 to 15 mm) with a depth of 40 to 50 mm, in accordance with the size of the chosen loop.  
Also create a channel for the connection between the loop and the detector (cabinet).

