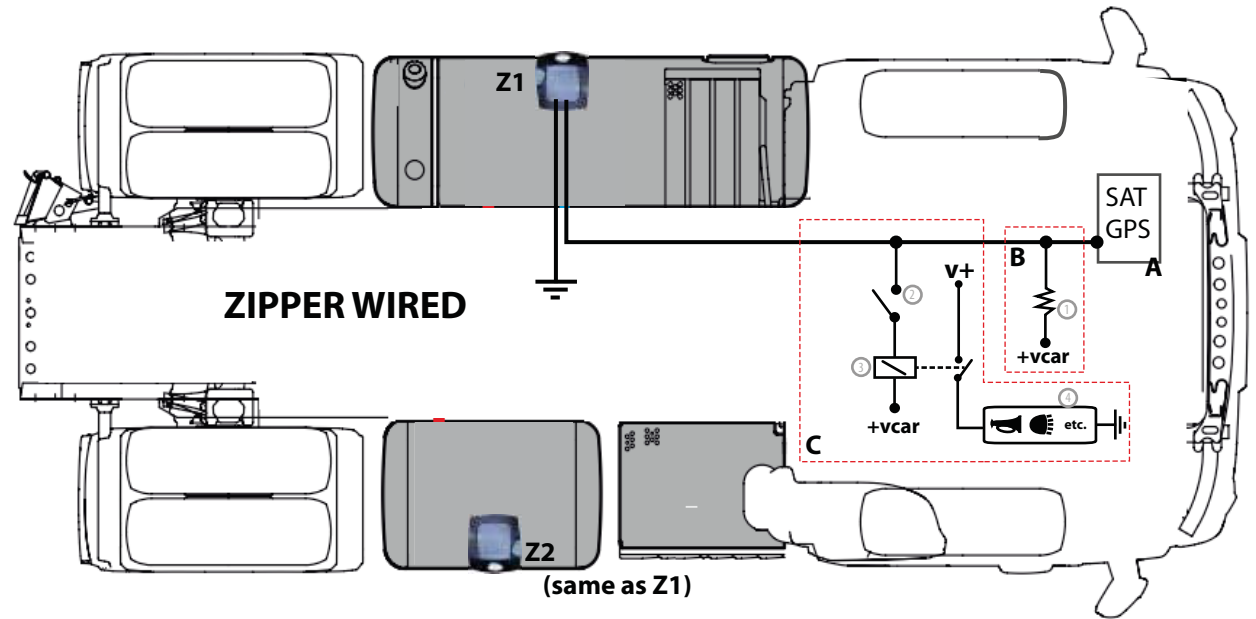
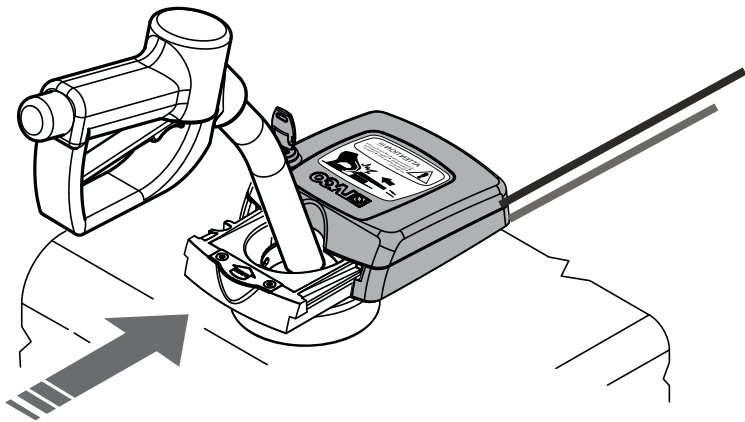


Basic Function Principles



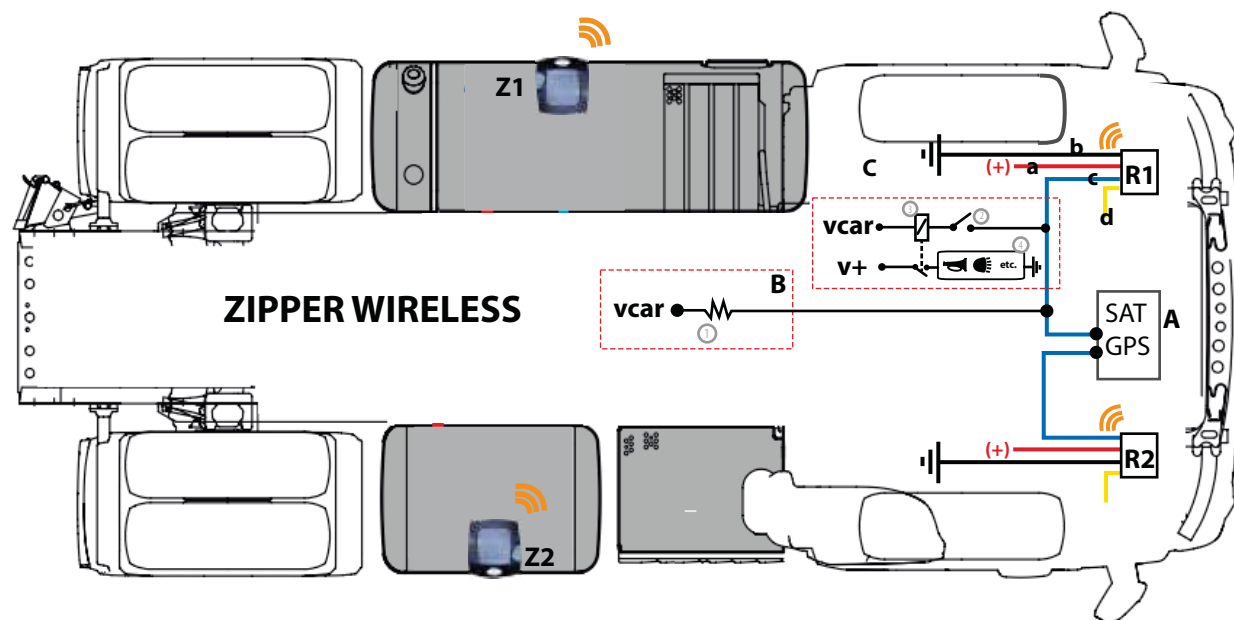
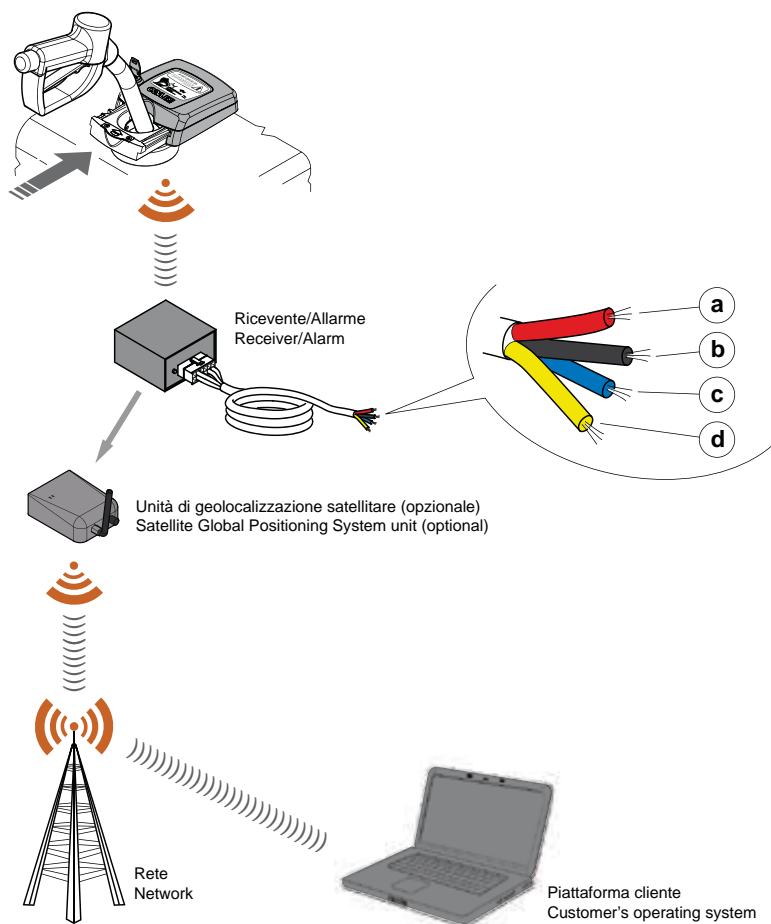
Z1 + Z2 - Can be wired into the same circuit or into individual inputs in order to be able to distinguish on which tank events take place at telematics level.

A - Telematics track and trace device with a free digital or analogic negative input which is equipped with PULL UP. If no PULL UP available, see point B

B- PULL UP circuit. Resistor Value (1) must bring +vcar potentials to same value.

C- Optional circuit for extra activations to take place upon tank opening, such as alarms, lighting etc. Such circuit should include a relay switch (3) who's sizing depends on the chosen devices to activate (4) and an exclusion switch (2) to allow driver to de-activate circuit for voluntary tank opening when refuelling.

Basic Function Principles



Z1 + Z2 - Zipper Wireless are supplied with their own exclusive paired receiver but other pairing possibilities are available.

R1 + R2 - Zipper receivers are so called OPEN COLLECTOR output and can be treated as:

- "n" Receiver - Zipper pairings and each connected to individual separate inputs

- "n" receivers to "n" inputs yield distinguished/selective events at telematics level

- one receiver paired to more zippers (up to 12)

- yields a general/undistinguished event at telematics level (eg. more zippers and only one available input in GPS/SAT device)

A - Telematics track and trace device with one or more free digital or analogic negative inputs which are equipped with PULL UP. If no PULL UP available, see point B

B - PULL UP circuit. Resistor Value (1) must bring +vcar potentials to same value.

C - Optional circuit for extra activations to take place upon tank opening, such as alarms, lighting etc. Such circuit should include a relay switch (3) who's sizing depends on the chosen devices to activate (4) and an exclusion switch (2) to allow driver to de-activate circuit for voluntary tank opening when refuelling.