



UV resistant high impact
Polycarbonate enclosure

UV resistant perspex
inspection cover provides
protection from dirt

Button, enclosure and inspection
window all sealed to IP65

Audible acknowledgment of
filling process

Status LEDs indicate progress
and level status

Accepts 12 or 24 Volts and all
sensor types (NPN/PNP/NO/NC)

The Autofill SV system is designed to automate and simplify the filling process of various fluid dispensing systems from grease to fuel. Using a license free low power wireless link the receiving side informs the dispenser when it is full, automatically switching off the system. This frees the operator to perform other tasks while ensuring that there is no risk of overfilling and associated spillage, environmental impact, and wastage.

Operation is simple requiring only for the filling nozzle to be inserted and the START button on the receiver to be pressed. Filling will continue until the tank is full and automatically aborts if the signal is lost. Multiple systems can operate simultaneously.

The unit can be set up as either a dispenser or receiver via the internal dip switch settings.

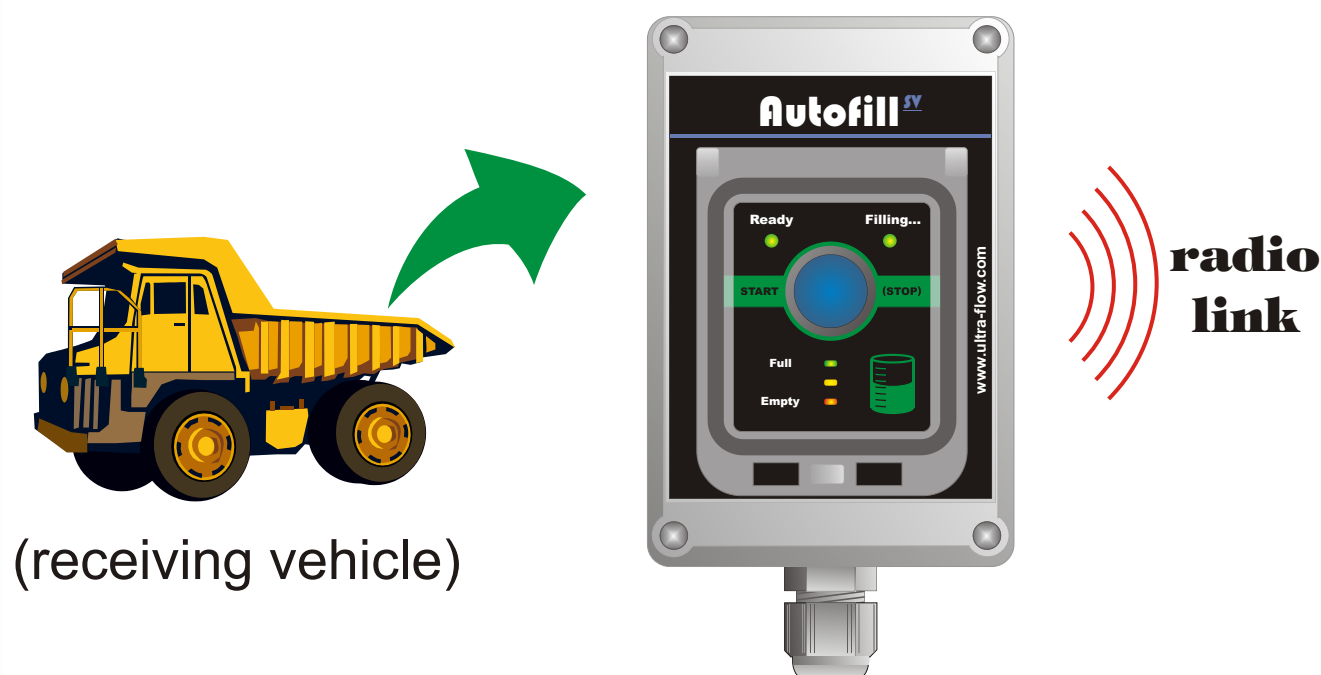
RECEIVER ROLE

When installed as a RECEIVER (dip switch 1 set to receiver) the status LEDs will indicate the level of the reservoir (full, mid, empty). If an available DISPENSER is within range and if the reservoir is not already full the READY LED will be lit.

To start a filling cycle connect the filling hose and then press the START button or the RECEIVER. The filling process will start, the FILLING LED will flash and the buzzer will beep once every two seconds while filling is in progress. Once the reservoir is full the RECEIVER will stop the process by sending a signal to the DISPENSER to stop dispensing.

If at any stage the RECEIVER loses signal with the DISPENSER it will abort the filling process. The operator can abort the filling process manually at any time by pressing the button on the RECEIVER or the DISPENSER.

In the event that there is more than one DISPENSER in range, pressing the START button initiates a pairing sequence. The READY LED will flash and the operator has 30 seconds to press the START button on the relevant DISPENSER to start the filling cycle.



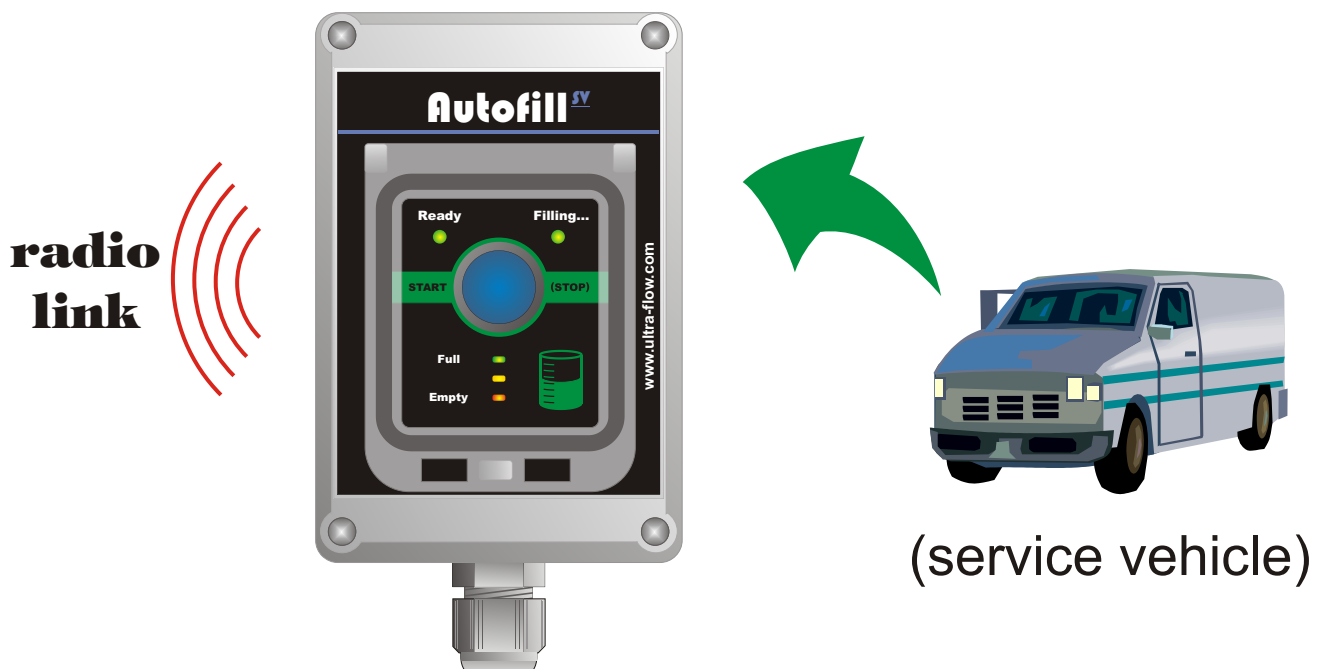
DISPENSER ROLE

When installed as a DISPENSER (dip switch 1 set to dispenser) the READY LED will blink briefly every two seconds as it looks for available RECEIVERS. Any available RECEIVERS within range will respond by indicating their status (full, mid or empty). This will be reflected on the status LEDs on the DISPENSER. (Note that more than one RECEIVER status may be indicated in turn)

Filling is initiated when a START signal is received from a RECEIVER. At this point the two units are paired and will be invisible to any other units in range. Filling will continue until a FULL signal is received. In the event that the radio signal is lost the DISPENSER will abort the filling process. The filling can be aborted manually by pressing the button on the DISPENSER or RECEIVER.

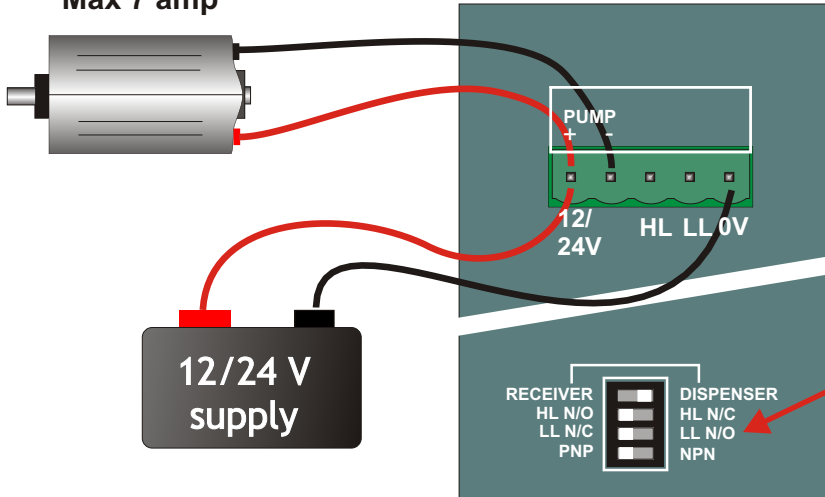
In the event that there is more than one DISPENSER in range of a RECEIVER a pairing process is started whereby the READY light on the DISPENSER will flash and the START button will need to be pressed to complete the pairing process.

Dispensing can be initiated manually by holding down the button for longer than one second. Dispensing will continue for as long as the button is depressed.



Wiring Diagram

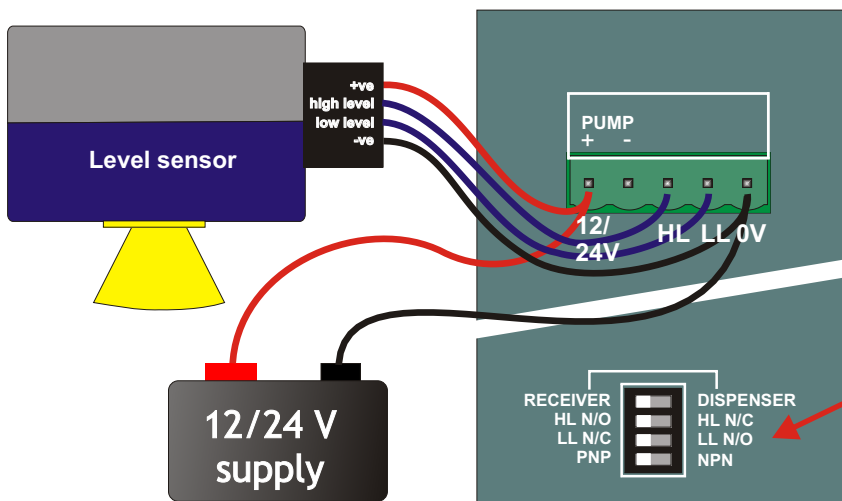
Pump or solenoid
Max 7 amp



NOTE: For light loads re-rate fuse accordingly.

NOTE: Level sensor type DIP switches have no significance in Dispenser role

Dispenser



NOTE: The system will function with high level monitoring only. Low level monitoring is used for indication purposes only.

NB! Ensure that the DIP settings match the Level Sensor and confirm correct operation after installation otherwise overfilling will occur.

Reciever

Radio

Frequency	2.4GHz
Output Power	1 mW
Effective Range	20m

Note: Do not install in a metal or sheilded cabinet