

Installation and use of a “recovery” button for Activa multiple gate sites

Observe that on the K108 serial I/O module, installed in one of the Activas, there are a group of 4 Opto-Isolated inputs. On input 4, there are two pins marked + and -.

Using the modular screw terminal block, connect the “-“ pin to ground and the “+” pin to one terminal of a momentary switch, Normally Open contacts, and the other terminal to +12V. To check wiring, push the button and verify that 12 volts is applied between the pins of input 4, with the appropriate polarity, and that with the button released, no voltage is present. For operator convenience, the switch may be located as desired, however a recommended location is inside the printer compartment, behind the locking door.

Note: There is a small red button on the K108 module marked “reset”. Don’t touch this. It’s not going to help.

Function of the recovery button:

Pressing the button for 2 seconds will simulate a car crossing the traffic detector loop, and clear a certain type of system hang condition.

Pressing the button for 10 seconds will clear out any washes in the queue, that is, cars that have already passed through the gates. The Activa Gate control system will not resume firing washes for any cars that are waiting at the gates, or for any cars buying a wash from this point on. This allows time for site operators to manually clear any cars that are currently hung up in the queue.

Pressing the button again for 2 seconds will resume sequencing gates and firing washes, starting from a cleared out queue

Recovery method in the event of wash queue problems:

Hold the button for 10 seconds, thus forcing the software queue to be cleared.
Fire the car wash manually for each car physically still in the queue, until the queue is clear of actual cars
Press the button again for 2 seconds.
System resumes operation for pending and new wash purchases.

