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Automatic wash activated barrier

Power and parts – Either the customer supplies a DC power supply of 5V to 15V or we take an AC supply and transform it to our requirement.

1. We take a signal from a NO relay
2. On closing the relay sends 5v – 15v DC to our board
3. Our board is activated
4. Open signal sent to barrier every 3 seconds while activated
5. Signal from customer sensor stops (Relay opens as vehicle has passed)
6. Barrier closes after 8 seconds (can be adjusted for longer interval up to 30 seconds

Sequence and variables

If necessary the delay between a vehicle arriving in front of the customer sensor and the barrier opening can be varied. This allows the wash to start. However since the barrier is closed on arrival of the vehicle the time for the barrier to open is sufficient for the washer to pressurise. Moving a jumper on the Jumper from pin 2 to 3 to increase delay and to pin 1 to decrease.

NOTE *If the barrier starts to close and reverses due to coming into contact with a vehicle or the customer sensor is activated after closing has started 3 times in a row then the barrier will not try to close a 4th time. Reactivate with down button on transmitter.*

Passive system

Where the wash system is passive the barrier can act as a speed deterrent by bringing the vehicle to a stop prior to opening using its own sensor or encourage the driver to leave the cab to sign in with an open button by the sign in register. The barrier then allows time to re-enter the cab and drive on.