ULTRALOOP

VEHICLE LOOP DETECTORS

Differentiating between cars that stop and those that don't

Vehicle loop detectors are used in a wide variety of applications. They trigger traffic lights, open exit gates, signal when a car is coming through the drive-through lane of a fast food restaurant and so on. They are considered the most reliable vehicle detection method available and EMX offers an extensive line to fit any installation.

There are cases where simply detecting that a vehicle is present is not enough. It is sometimes important to know whether it is moving or stopped.

We have all walked down a sidewalk and seen the doors of a store open automatically, even though we are not going in. A similar thing can happen in parking lots or garages with automatic exit gates. There is a vehicle detection loop at the exit to open the gate or parking barrier and let cars out, but in some cramped lots, cars simply moving around the lot pass over this loop and cause the gate to open. What's needed is a detector that will sense when a car has actually stopped in front of the gate. This improves security and helps keep cars from sneaking in without paying, i.e. tailgating.

Companies in the fast food business keep close track of wait times in the drive-through lane — and for good reason. It is no secret that a reduction in customers' waiting time increases a chain's profitably, but what if a driver simply zips down the drive-through lane without ordering? A few cars going through without stopping could falsely reduce average wait times and degrade performance data. What's needed, again, is a way to detect cars that stop, but ignore the ones that keep going.

EMX has solved this problem with its new DETECT-ON-STOP™ (DOS®) technology - which is only available in its line of ULTRALOOP vehicle detectors (ULT-PLG, ULT-MVP and ULT-DIN). The DOS output, which is exclusive to EMX, triggers only when a vehicle stops for at least one second over the loop and ignores cars that keep going. This means that parking lot exit gates can stay closed and cars that zip through the drive-through lane won't distort wait time figures.

Now if someone would figure out how to keep those doors on stores from opening every time someone walks by…

| ULT-PLG | ULT-MVP | ULT-DIN |

EMX

INDUSTRIES