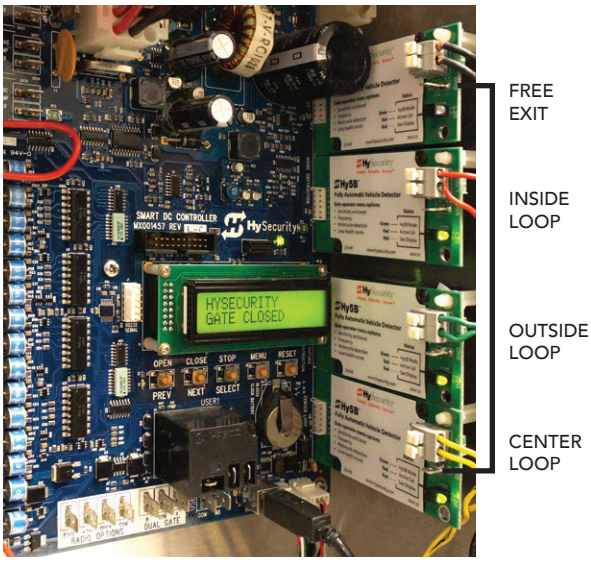
MX4125

This industry leading vehicle detector easily plugs into the Smart Touch or Smart DC controllers and usually requires no adjustment during setup.

- Easy installation, no tools needed
- Smart Touch technology automatically tunes each detector to its own frequency preventing cross talk between loops
- Monitors three different metrics to determine overall loop health
- Restores loop data on power up for consistent performance
- Compensates for moving gate, allowing higher sensitivity than other detectors
- Counts vehicles including tailgaters
- Lightning resistant features protect hardware and avoid false trips
- Low power draw for solar applications
- Five year warranty

Compact design, 1-3/4 x 3-5/8 inch (4.5 cm x 9.2 cm)



Control board offers four Hy5B sockets for free exit, inside obstruction, outside obstruction, and center loop function

Easy to retrofit

The Hy5B is backwards compatible with all Smart DC and Smart Touch controllers. For existing sites where a loop is being added or a detector has failed, the Hy5B will emulate an Hy5A with no software update. Or, load a new version of firmware to access all the capabilities of Hy5B.

For all features of Hy5B, Smart DC software must be at least version 5.55 or higher. Smart Touch software must be version 4.54 or higher.

Hy5B™ Applications

MX4125

SWING AND SLIDE GATE AUTOMATION The Hy5B is perfect for use with any HySecurity gate operator for all applications such as obstruction loops or free exit loops. The improved sensitivity algorithms are effective in reducing gate strike accidents.

PARKING Where multilane entries and exits are used, loop frequency is easy to adjust using the Smart DC controls and display. The availability of vehicle counts provides parking facility operators another way to audit receipts to minimize fraud. Use the HyNet gateway to receive data remotely, saving time and effort.

SOLAR Hy5B is power efficient, drawing only 35mW of power.

Capability	Benefit
Automatic sensitivity	Takes guesswork out of setting detector sensitivity.
Vehicle differentiation	Discerns cars from other vehicles like trucks and motorcycles. Uses data to calibrate sensitivity, and determine best setting for call and boost levels.
Automatic gate compensation	Records signal level induced by moving gate and deducts from reading, allowing higher sensitivity without risking lock up.
Improved motorcycle detection	Sensitivity algorithms allow more sensitive loops, improving the likelihood of detecting a motorcycle or high clearance vehicle that generate a low signal.
Improved lightning immunity	Resists damage and false trips due to lightning strikes.
Improved loop diagnostics	Measures and reports loop health statistics on three different metrics for faster troubleshooting of loop issues.
Vehicle counter	Counts vehicular traffic through a gate. Useful for auditing receipts in parking or managing parking inventory.
Crosstalk management	HySecurity controller coordinates readings from all installed Hy5B detectors to prevent cross talk.
Shared user interface	Hy5B set up is accessed through the Smart Touch or Smart DC controller for easy configuration.
Persistent loop signatures	Vacant loop frequencies, sensitivity data, and gate compensation data are stored on the control board in nonvolatile memory, maintaining calibration in the event of power loss. Detector can sense a vehicle on the loop, even if present during start up.
Toolless installation	All connections can be made without tools, including improved spring clamp terminals for loop wires.
Manual sensitivity control	Users can disable auto sensitivity and set sensitivity and boost manually through the controller interface. This is useful for compensating for unstable loops, electrical noise, and other loop issues.
Hy5A emulation	Machines with older software are compatible with Hy5B in emulation mode. Sensitivity is automatic. Manual sensitivity and advanced functions require a software upgrade.
Low power	35mW power consumption enables solar applications.
Warranty	5 years