

# Emtech Access Control Systems'

## Low Cost High Security Gate ID Tags & Reader



**The Emtech Access Control Systems' Low Cost High Security Gate ID Tags and Reader System offers the latest in Infrared Transponder (ID Tags) and Receiver (Reader) Technology. The use of Infrared Technology provides a low cost solution while delivering many benefits over traditional RF technology.**

#### Features:

- Expandable to 5,000 unique IDs on a single system.
- Easy installation by use of miniature camera styled Infrared Receivers (Readers).
- Direct interface to existing or standard Gate Controllers
- In-built Tamper Alarm inside miniature camera styled Infrared Receivers.
- Individual Lost Infrared Transponders (ID Tags) can be disabled quickly without effecting any other Infrared Transponders (ID Tags)
- Up to 5-metre distance from Infrared Receiver (Reader) and Vehicle (ID Tag).
- System is scalable up to many readers and interface to Access Control Systems and alarm Systems.
- System can include audit log including date and time of each vehicle.
- Suitable for any type of motorized gate system.
- Exit and entry can be controlled through independent miniature camera styled Infrared Receivers

#### Ideal For:

- Town House Complexes
- Staff Car Parks
- Vehicle Pool Control
- Truck and Other Large Vehicle Access Control
- Parking Station Control
- Shopping Centre Staff Car Parks
- Secure Exit Control for Vehicles

#### System Description:

The Infrared Receiver unit appears like a small security camera. The Infrared Receiver unit is normally mounted approx. 2.5 metres high, overlooking the entry and/ or exit areas.

When the Infrared Transponder (ID Tag) is pointed towards the Infrared Receiver unit the ID Tag number is read using a secure algorithm. If a valid ID number is received a signal is sent to the gate controller. Where integrated to other Access Control system or Log Print an audit trail can be recorded.

#### Specification:

Infrared Transponders (ID Tags) –

- Self Contained up to 5 Metre Range
- Infrared secure algorithm ID Transmission
- Virtually Un-limited Unique ID numbers available
- Key fob style or automatic vehicle mount style

Infrared Receiver Unit (Reader) –

- Pole mounted Infrared Receiver
- 240volt power pack or 12-24 volt DC operation
- Controller Module interfaces available.
- Tamper alarm output

Scaleable -

- Can interface to existing Access Control systems
- Can be scaled up to a full Access Control system.