Communication Enclosure

- Controls up to 144 sensors.
- RS-485 bus line industrial communicates with ultra-sonic sensors and Guidance System signs.
- TCP-IP ethernet communication between enclosure to management software.
- Real-time interface for management, control and monitoring software.
- Off-line mode for ultra-sonic sensors.
- Enclosure can be installed either as a standalone control, or remotely controlled by management software.
- Transaction and all events can be monitored in real time by management software.
TIBA
Smart Parking Guidance System

TSGS, TIBA’s highly advanced parking guidance system, leads drivers to available parking spaces, saving time and creating a positive and efficient experience for drivers. TSGS gives operators greater control of their facilities, providing traffic flow optimization and increased capacity utilization. Operators can ensure that all parking spaces are occupied before closing any parking zones. TSGS means more customer satisfaction with less hassle as they are led quickly and efficiently to available spots.

Features
• User friendly graphical interface.
• Real time monitoring of parking space availability by facility, level and single space.
• Reporting & statistics.
• Customer floor plan can be embedded in software.
• Status monitoring of ultra-sonic sensors and electronic signs.
• System alerts for exceeding parking duration, vehicles in transit and more.
• Data sharing interface with city way finding systems

How does it work?
The single spot guidance system’s sophisticated technology is comprised of ultrasonic sensors that trigger red/green lights indicating available and occupied spaces. The ultrasonic parking space sensor can be installed as an all-in-one unit or with a frontal indicator and can operate as a stand alone unit or with the management and monitoring software. The system has flexible installation and contains a smart calibration engine for optimal performance. TSGS also has an embedded industrial controller. Space availability is transmitted to the management server, which updates the electronic traffic signage accordingly, and guides the driver to the closest vacant space. TSGS is a custom-tailored solution for driver guidance for parking garages in office buildings, hotels, airport parking, medical center, mixed-use developments and more.

Parking Signs
TIBA’s luminous and easy to read LED signs were designed specifically for underground parking so drivers can see clearly both from a distance and from an angle. The signs contain an embedded industrial controller and support RS-485 Communication. Operating as part of TIBA’s single space guidance system, the signs are controlled by management software.

With TSGS, operators can:
• Monitor and control all aspects of the facility by level, garage occupancy and up to a single space in real-time
• Receive software alerts for vehicles parked for longer than a given-time, vehicles currently in transit, and broken down vehicles occupying the facility
• Collect and process all vehicle transition information and update electronic signs accordingly
• Control variable message signs (VMS), available spaces signs, directional and end-of-aisle signs; additionally, the software supports file-server sharing of occupancy data with city way-finding electronic signage system
• View customer floor plans that can be embedded in software
• Generate reports & statistics

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