The Diamond PGS

PGS DataBuffer

Full solution Parking Guidance System

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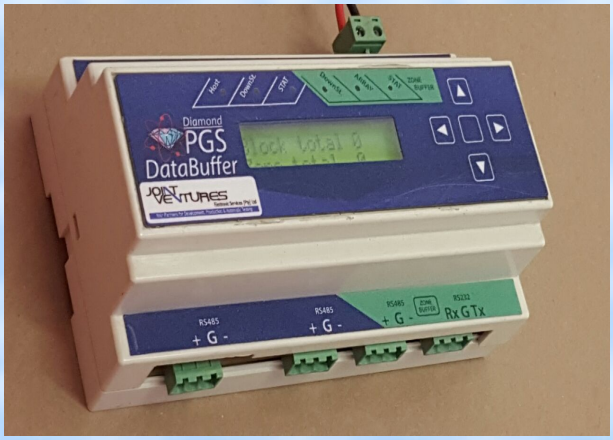
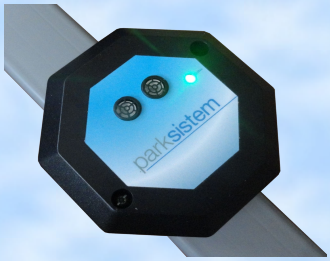
PGS DataBuffer.



The PGS DataBuffer is a powerful communication hub, Designed to act as a BlockBuffer and as ZoneBuffer 0 of the Diamond Parking Guidance System.

Its main ZoneBuffer functions are:

1. **Data collocation from up to 250 PGS Sensors.**
2. **Data collection from up to 16 ZoneCounters**
3. **Data analysis and compression.**
4. **Control of numeric displays on its Down-Stream ports.**
5. **Data relay to its Block buffer on its Up-Stream port.**



Its main BlockBuffer functions are:

1. **Data collocation up to 15 external ZoneBuffers.**
2. **Data analysis and compression.**
3. **Control of numeric displays and or arrows on its Down-Stream.**
4. **Data relay to the control room on its Up-Stream port.**
5. **Addressable – Up to 32 DataBuffers can be connected to the ControlRoom**

Overall Specifications

- **Fully independent operation.**
- **Display and menu system for full system view and control**
- **Automatic detection of sensors and displays.**
- **Controls up to 256 numeric displays.**
- **Indicator LED.**
- **Easy installation.**
- **Power consumption** — **Less than 300mW per unit**
- **Power supply** — **16V-24V**
- **Communication protocols** — **Daisy chain RS232 / Parallel RS485**
- **Lightning protection on all inputs and outputs.**

Environmental specifications

Operating temperature	**-20^{O} to +70^{O}**
Storage temperature	**-40^{O} to +85^{O}**
Humidity	**Up to 98% Non condensing**
Material	**Polycarbonate**
Housing	**Not rated – Must be mounted in an IP65 enclusure**
Dimensions	**Din rail 159mm X 90mm X 57.5mm**
Weight	**260g**
Safety Standard	**IEC 60950-1**
RFI/EMI Standard	**IEC 61000**
European Standard	**CE**