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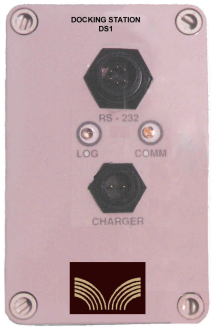
µSMART SERIES



DOCKING STATION DS1
&
DOCKING MODULE DM1

The DM1 and DS1 offer a simple means to download the µSmart SL and PL series data loggers without the need to carry a laptop to site. The system uses a fully automatic download procedure where the docking module is plugged into the data logger port. The data logger then downloads the entire memory in the data logger into the module and when finished the module is removed.

When the module is plugged into the data logger, the red LED on the module flashes several times rapidly to signify that the procedure is beginning. The LED then flashes slowly during the download, and when complete, flashes rapidly several times before extinguishing. At this point the module can be removed and taken away. The data logger has a 10-second delay built in to the operating system that prevents overwriting of data if the unit is not removed cleanly. The module must be removed from the connector for more than 10 seconds before the data can be rewritten to the module.

To recover the data, the module is plugged into the docking station that is connected to the PC via the RS 232 Communications port. The docking station operates using embedded software and has the same functions and menu system as the data logger. On installing the docking module into the station, the LED on the module flashes rapidly several times to signify that communication with the module has been established. The information is then available through the docking station and is downloaded normally using either the Windows software or HyperTerminal. The module also contains additional information on the sensors not available to the user. This information can be used to carry out fault finding on the system and can be forwarded to Monitor Sensors for examination and fault finding if problems are seen on the station.

Specification.

Power:	8-40 volts unregulated DC.	
Environmental:	-30 ° C to +70 ° C. (Both operational and storage)	
DS1 Memory:	Flash Ram. Options 512K to 4 Mbyte. Automatically overwrites previous data. Must be matched to Data logger memory.	
Output:	RS232	600 to 115200 baud 8 data bits 0 parity 1 stop bit
Embedded software:	ASCII output. The logger will communicate with any type of PC that uses a communications programme. Menus:Pre-programmed, single keystroke selectable menus for parameter changes. Down-loading: One touch or custom downloading available.	