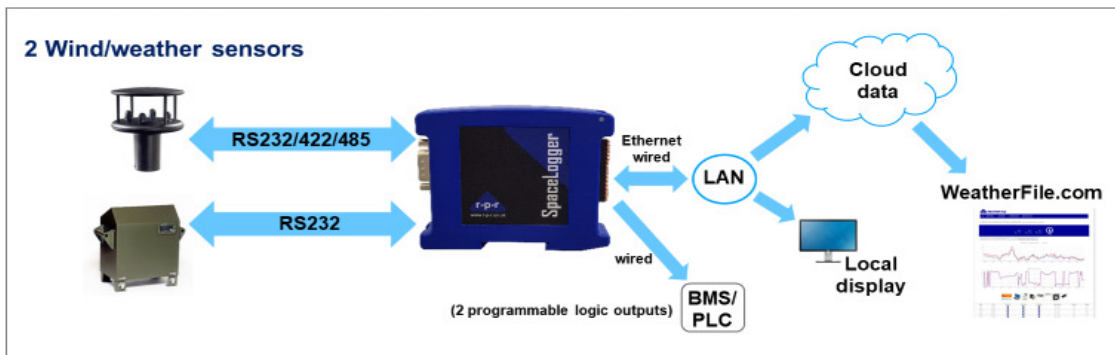


## SpaceLogger.W100

- ▶ Continuous, automatic recording of data from wind speed, wind direction, weather and environmental sensors
- ▶ Ethernet data transfer to WeatherFile.com for live viewing of data
- ▶ 2 ports for RS232/422/485 inputs
- ▶ Two programmable logic outputs available
- ▶ Real-time clock, with battery back-up, for date and time stamping of data
- ▶ Compact, economical and robust design



### Overview

The SpaceLogger.W100 data logger is an ethernet connected logger for enabling the simultaneous live viewing and recording of data from two wind, weather or environmental sensors on WeatherFile.com.

Email and SMS alerts can be set up by the user on Weatherfile.com to warn when key data parameters are exceeding defined levels.

Compatible with wind, weather and environmental sensors from the major suppliers, the SpaceLogger W100 logger accommodates RS232, RS422 and RS485 inputs

The logger has two programmable logic outputs available to go to a PLC/BMS..

If the loggers ethernet connection is temporarily unavailable then this is not an issue as the data would be stored on the SD card and automatically transferred to WeatherFile.com on re-connection.

Data from each channel can be sampled at up to 1Hz. Each data record is date and time-stamped when it is stored. A new file (.CSV) is generated for each day's worth of data.

Raw data averaged values with min and max readings during a specified period can be recorded in a separate daily .CSV file.

### Applications

Typically data logging for:

- Weather monitoring/warnings
- Environmental monitoring
- Dust, noise and vibration monitoring
- High rise building external areas
- Aviation operations
- Sports & outdoor activities
- Temporary structure monitoring
- Construction industry H & S
- Education and Research projects
- HVAC monitoring
- Bridges & tunnels

### Data Logger Range

Richard Paul Russell Ltd offers a range of data loggers. Please see our website [www.r-p-r.co.uk](http://www.r-p-r.co.uk)

### Contact Us

e-mail: [sales@r-p-r.co.uk](mailto:sales@r-p-r.co.uk)  
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## SpaceLogger.W100 Specification

<b>Physical</b>	Dimensions	Width: 100 mm Height: 80 mm Depth: 22 mm
	Weight	100g
	Enclosure materials	ABS with polycarbonate cover
	Mounting	35mm DIN rail mount, plus optional abs base plate mount
<b>Serial Data Input</b>	Number of channels	2
	Transmission standard	Port 1: RS232 or RS422/485, Port 2: RS232
	Transmission speed	2,400 to 115,200 baud
	Flow control	Port 1: Hardware (RTS/CTS) or software flow control
	Connection	14-way pluggable terminal block, 9-way D-type
<b>LAN Connectivity</b>	Wired connection	RJ45 connector 10/100 Base-T
<b>Switch output</b>	Switch output	2 programmable per channel
<b>Data Storage</b>	Data Storage Card	Removable micro SDHC/SDXC card
	Data Capacity	Capacity of micro SDHC/SDXC card installed (max. 2TB) 8GB micro SDHC supplied as standard
	Card removal	Buffer purge button
<b>Audible / Visual Indicators</b>	LED Indicators	Micro SDHC card status: Bi-colour red/green Data/LAN connectivity status: Bi-colour red/green
	Audible Bleeper	Status alert
<b>Real Time Clock</b>	Accuracy	±40 ppm at 25 °C
	RTC back-up battery	CR2032
<b>Power</b>	Power requirement	5 Vdc ±10%
	Current at 5Vdc	200 mA typical
	Connection	Micro USB connector, 14-way pluggable terminal block
<b>Environmental</b>	Temperature Range	Operating: -25 °C to +70 °C Storage: -40 °C to +70 °C  CE marked - EMC directive 2014/30/EC
	Emissions	EN 55032:2015 CISPR 32:2015, Class B   EN 60945:2002 CISPR 16-1:1999, Class B   EN 61000-3-2:2014 Class A   EN 61000-3-3:2013 FCC/CFR 47: Part 15:2017 ANSI C63.4:2014, Class A Canadian Standard ICES-003:Issue: CISPR 22:2008
	Immunity	EN 55024:2010   EN 61000-4-2:2009, EN 61000-4-3:2006 incl A1:2008 & A2:2010, EN 61000-4-4:2012, EN 61000-4-5:2012, EN 61000-4-6:2014, EN 61000-4-11:2010  WEEE Directive 2012/19/EU RoHS Directive 2011/65/EU
<b>Guarantee</b>	Period	1 year warranty

The manufacturer reserves the right to amend the specification and therefore the information in this document may be subject to change.