



DATA INTERFACE KW909-FM3

8 CHANNEL DATA COMBINER or MULTIPLEXER

The KW909 model FM3 connects to 8 NMEA 0183 talkers and combines their data on to one output port. Applications include combining the data from several sources into an SVDR, VDR, ECDIS or radar

The data combiner stores and forwards NMEA 0183 sentences on a first-in first-out basis.

Attention has to be given to possible overload of the output channel, as it can not possibly pass more than 480 characters per second at the NMEA 0183 standard rate of 4800 bits/sec. ANSWER: output at 38400.

The output rate can be switched by DIP switch to 38400 so as to pass through more data. With a 38400 baud output one input port can be switched from 4800 to 38400, which will allow serial connection of interfaces, or daisy-chaining.



SPECIFICATION

INPUT: 8 NMEA 0183 or IEC 61162 ports for 4800 baud data.

OUTPUT: NMEA 0183 data is output on a first-message-in first message-out principle. Excessive input data is discarded and an overload LED lit. Each message is delayed by at least its length, 2.1 mS per character, and it also has to wait until the current message has finished sending.

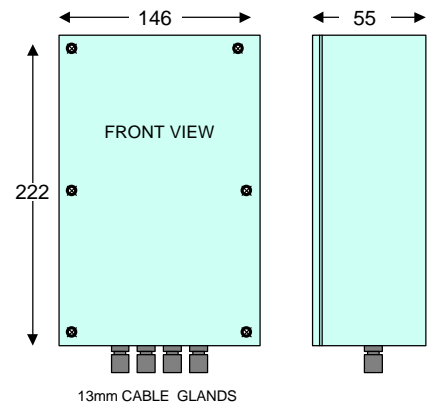
Output baud rate 4800 or 38400.

POWER: 10 to 32 v DC at 100 mA.

HOUSING: Black textured diecast box 222 x 155 x 55mm. Fitted with 10 compression glands.

FEATURES: LED's on data in and out and bicolour status led.

CONNECTIONS: All connections removable terminal blocks.



CHANGES FROM PREVIOUS VERSIONS OF KW909 DATA INTERFACE.

Some data filters were available to pass only elected sentences, and reduce the rate of others, but we have not been asked for this for 4 years, so it is abolished. There was a time when we sold the KW909 as a data conversion interface, such as Sperry Rascar in and NMEA 0183 out, but we have not been asked for that for so many years it too is abolished. We also sold a number of "best GPS selectors" but the need for those has been zero since GPS selective availability was abolished. There was also a KW909 pulse log to NMEA interface but the lower-cost KW950E has taken over that requirement. Having said all that remember that KW909 can still be programmed by me to your exact requirement at a nominal charge if you need it, before encapsulation.

Encapsulation is the only notable hardware change, and this is to protect the product from being copied by SYYBB's in China. So, because of theft and piracy of our KW950E I have had to remove the flexibility I have been proud of in my products. If you need some variation of the interface call me, or email me, and I will be delighted to do it for you.

Andrew Fairgrieve 20/12/2004 20:30 44 1873 840405 af-aditel@btinternet.com www.aditel.org.uk



AMI - GFV MARINE Ltd. Southampton, UK
TEL 44 (0) 23 8048 0450 - FAX 44 (0) 23 8048 0451/2
Email - m.k.woods@btinternet.com Web - <http://www.amimarine.com>