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NMEA Buffer 2S12

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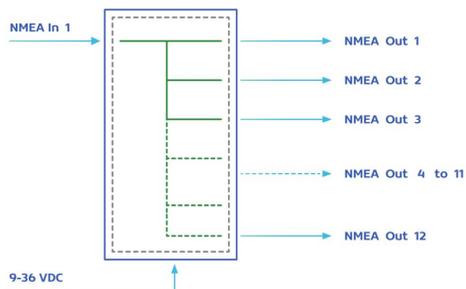
Overview

Compact, universal NMEA buffer for distributing NMEA or RS422 signals to up to 12 listeners. By means of simple configuration it can work in one of three operating modes: “Dual Independent Transmission”, “Single Input Transmission” and “Selectable Dual Input Mode”. The isolation of the input from outputs ensures the protection of the transmitting device from all other connected NMEA listeners.

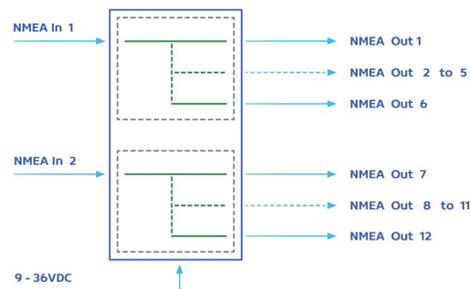
Features

- Simple and compact design
- Easy installation on the DIN rail
- Each NMEA input is separated from other connected NMEA devices
- Three operating modes:
 - Single Input Transmission (1 to 12): data from one source is distributed to up to 12 connected listeners
 - Dual Independent Transmission (2 x 1 to 6): works as two independent “1 to 6” buffers, each distributes data from its source to up to six its outputs. Each input can operate with different baud rate.
 - Selectable Dual Input Mode: either first or second input signal, depending on selector switch setting, is distributed to up to 12 connected listeners.
- Compatible with all NMEA 0183 versions
- Pluggable screw terminals for quick and easy installation
- LED indication of input signals and power supply

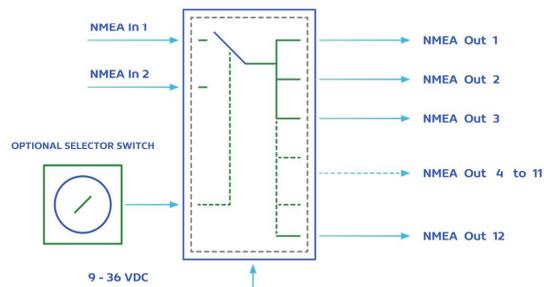
Single Input Transmission mode



Dual Input Independent Transmission mode



Selectable Dual Input mode



Technical data

- Power Supply: 24VDC (9 to 36VDC)
- Power consumption: typical 3,1 W, maximum 7,5 W at 24VDC
- Galvanic isolation: power supply 1,5kVDC, signal input/output up to 5kVRMS
- Short circuit output protection
- Overvoltage power input protection (up to 37V)
- Number of inputs: 2, manually selectable
- Number of outputs: 12, manually configurable
- Input/output signal speed: up to 230400 bps
- Connection: cables diameter up to 1,5mm²
- Dimensions: L 92,0 mm x W 86,4 mm x H 72,0 mm
- Mounting: DIN Rail
- Approvals: EMC according to IEC60945

