



Main Features:

Device ADU-102 is used to amplify and also to duplicate signal NMEA 0183 versions 1 and 2 to several receivers.

Also ADU-102 can be used for other signals transmitted through interfaces RS-232 and RS-422/485 amplification and distribution.

Particularities: device's small weight and small overall dimensions.

Technical Description:

- 2 inputs with active channel automatic or manual selection.
- Optoisolated inputs (up to 1000 V)
- 7 outputs (4 are galvanic isolated)
- Baudrate: up to 56 000 bps
- Output for the active input channel indication.
- Data receiving/transmission and current active channel indication.

Input Ports' Description:

Baudrate:	up to 56000 bps
Input signals:	NMEA 0183 versions 1 and 2, Furuno CIF, RS-422, RS-232
Isolation:	Optoisolated (up to 1000 V)
Channels:	2, with manual or automatic selection
Priority:	Channel 1 (channel 2 if channel 1 fails)

General Features:

Input voltage:	10..30 VDC
Working temperature:	-15..+55°C
Storage temperature:	-20..+70°C
Overall dimensions:	194x119x29

Output Ports' Description:

Output data:	Repeats input data
Baudrate:	Identical to input's baudrate
Electrical:	Single 5V drive (NMEA 0183 version 1); differential drive RS-422 (NMEA 0183 version 2)
Ports:	7 (4 of witch are isolated)

Signalling:

Output to indicate Channel #1 failure.

Output to indicate power-on.

Indication:

LEDs on PCB to indicate power on, data transmission and receiving, current active input channel.

Overall Dimensions Outline Drawing:

