

STR SEASYNC PPS/RS232 Splitter



The STR SeaSync PPS Splitter provides a means of easily connecting multiple pieces of equipment requiring TTL PPS signals and RS232 coms to a single source.

It is configurable via a front panel switch as a single input (A) to 10 output system or as 2, two inputs to 5 outputs systems (A and B inputs/outputs).

All inputs and outputs channels have full low voltage galvanic isolation to reduce the likely hood of ground differential issues.

The system can also be used to provide two isolated bi-directional RS232 channels.

The unit has the facility to convert input signals to match signal output to the requirements of connected equipment (eg positive/negative edge trigger, fixed duration pulse etc).

KEY FEATURES

- Ideal for GPS data distribution
- 1 in 10 out / 2 in 2x5 out (RS232/TTL Trig)
- Galvanic Isolation between all inputs/outputs
- 2x Isolated RS232 bi-directional coms channels (DB9 connections).
- TTL compatible input /outputs via BNC connections.
- Selectable fixed duration pulse output function.
- Selectable positive or negative trigger logic.
- Standard 19-inch rack mountable.

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TECHNICAL SPECIFICATIONS

POWER:	DESCRIPTION
SUPPLY VOLTAGE:	12-20 volts DC /100-240V AC
POWER:	3W (typical)
INPUT PROTECTION (POWER):	Internal Fuse, Reverse polarity Protection, Over voltage / Under voltage lock out

PPS INPUT CHANNELS:	DESCRIPTION
PPS INPUTS:	Two separate PPS input channels (TTL compatible level, all Low voltage galvanically isolated, rated at 50 volts maximum)
CONNECTOR TYPES:	BNC , Male DB9
PROTECTION:	Protected against accidental connection to external low voltage (Automatic Reset).

PPS OUTPUT CHANNELS:	DESCRIPTION
PULSE INPUT CONFIGURATION OPTIONS:	Choice of use as a single input to 10 outputs or two separate 5 channel systems selectable via front panel switch.
PULSE SPECIFICATION:	Fixed pulse output function (nominal 10 mS). Positive or negative edge trigger. Invert output signal. Channels are independently configurable in both 10 & 5 channel modes.

RS232 SPECIFICATION:	DESCRIPTION
DATA RATE:	1200-9600 Baud Typical
RS232 BI-DIRECTIONAL COMS:	2x Bidirectional isolated RS232 Channels. (MAIN IN A to ISOL A IN/OUT), (MAIN IN B to ISOL B IN/OUT)
RS232 SINGLE-DIRECTIONAL COMS:	8x single-directional isolated RS232 Channels. (Choice of use as a single input (A) to 8 outputs or two separate 4 channel systems selectable via front panel switch)
CONNECTORS:	DB9 fitted to rear panel
RS232 PROTECTION:	Protected against accidental short circuit or accidental connection to external low voltage (Automatic Reset).
ISOLATION:	All RS232 channels galvanically isolated (rated at 50 volts maximum)

PHYSICAL SPECIFICATION:	DESCRIPTION
DIMENSIONS:	482 mm W x 238 mm D x 86 mm H (19" Rack 2U)
WEIGHT:	2.7kg
MATERIAL:	Anodised aluminium
IP RATING:	IP20 Intended for use only in a protected or indoor environment
OPERATING TEMPERATURE:	0°C to 45°C
HUMIDITY:	0 to 90% none condensing

All information contained in this brochure may be subject to change without prior notice.