



# Product Information Sheet

## Data Link Isolating Transformer - DLIT Type: SP10/11

## Data Link Isolating Transformer

### Overview

Park Signalling's Data Link Isolating Transformer (DLIT) provides superior transmission characteristics over current units, offering potential performance benefits.

In a.c. electrified areas, data link cables running parallel to the track are subject to induced voltages. DLITs are used to electrically isolate baseband data link sections, thus keeping these induced voltages within safe limits. Additionally, the DLITs provide protection to data link modules (DLMs) by limiting this common-mode interference.

Park Signalling's DLIT is less lossy than current units, leading to improved data link signal strength.

Two versions of the DLIT are available; one occupies a single BR930-series relay space on a standard rack, while the other is contained in a weatherproof housing, suitable for wall or post mounting.

### Electrical connections

The SP10's electrical connections are via an 8-way terminal block which accepts wires with M4 fork crimps. The connections are:

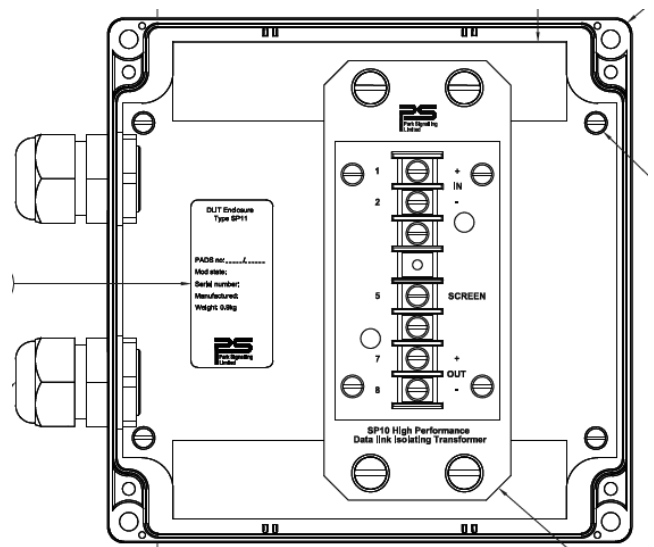
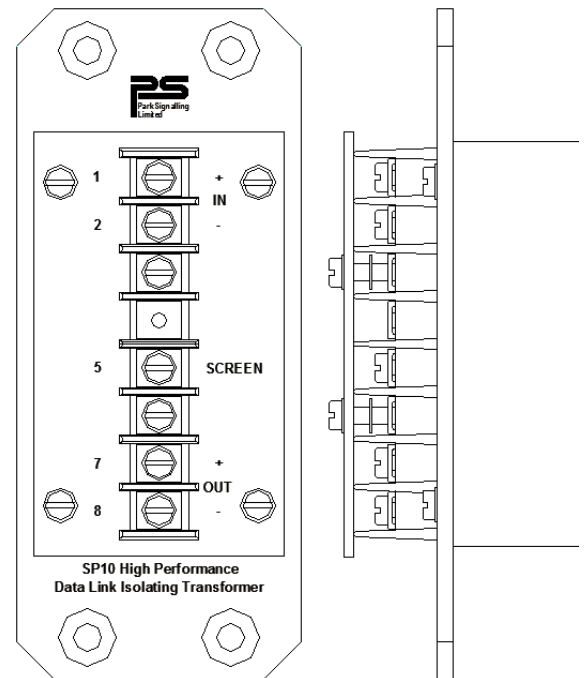
- Data link in +/-
- Data link out +/-
- Screen

### Outline

The SP10 is designed to occupy a single BR930-style relay space in a standard location case or REB.

- SP10 overall dimensions: 134x57x53mm
- SP10 weight: 0.4kg
- SP11 overall dimensions: 188x160x90mm
- SP11 weight (excl. SP10): 0.9kg

The SP11 has two cable glands for incoming data link cables.



SP10 shown within the SP11 enclosure