SDS511
CS I/O DUAL PORT ADAPTOR
INSTRUCTION MANUAL

4/02

Warranty and Assistance

The **SDS511 CS I/O DUAL PORT ADAPTOR** is warranted by CAMPBELL SCIENTIFIC, INC. to be free from defects in materials and workmanship under normal use and service for twelve (12) months from date of shipment unless specified otherwise. Batteries have no warranty. CAMPBELL SCIENTIFIC, INC.'s obligation under this warranty is limited to repairing or replacing (at CAMPBELL SCIENTIFIC, INC.'s option) defective products. The customer shall assume all costs of removing, reinstalling, and shipping defective products to CAMPBELL SCIENTIFIC, INC. CAMPBELL SCIENTIFIC, INC. will return such products by surface carrier prepaid. This warranty shall not apply to any CAMPBELL SCIENTIFIC, INC. products which have been subjected to modification, misuse, neglect, accidents of nature, or shipping damage. This warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability or fitness for a particular purpose. CAMPBELL SCIENTIFIC, INC. is not liable for special, indirect, incidental, or consequential damages.

Products may not be returned without prior authorization. To obtain a Returned Materials Authorization (RMA), contact CAMPBELL SCIENTIFIC, INC., phone (435) 753-2342. After an applications engineer determines the nature of the problem, an RMA number will be issued. Please write this number clearly on the outside of the shipping container. CAMPBELL SCIENTIFIC's shipping address is:

CAMPBELL SCIENTIFIC, INC.
RMA#_____
815 West 1800 North
Logan, Utah 84321-1784

CAMPBELL SCIENTIFIC, INC. does not accept collect calls.

Non-warranty products returned for repair should be accompanied by a purchase order to cover the repair.

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SDS511 Dual Port Adaptor

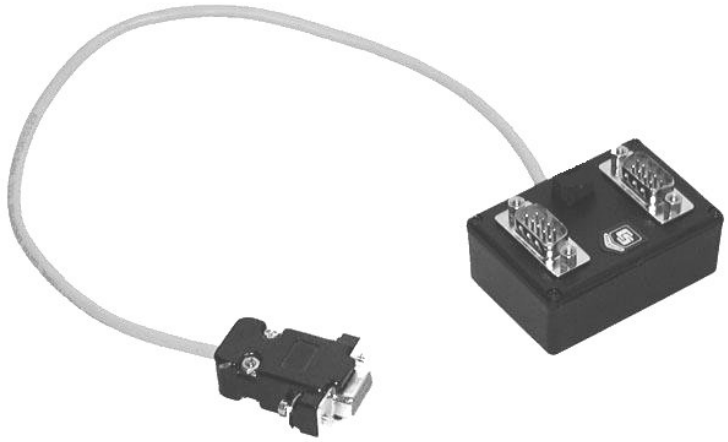
1. Introduction

The SDS511 dual port adaptor allows two modem-enable (ME) or SDC devices to share a physical connection with a single CS I/O port on a CR500, CR510, CR10, CR10X or CR23X Campbell Scientific datalogger. Although only one communications device can be electronically connected to the CS I/O port at any one time, the SDS511 connects the CS I/O port to either of the two devices on a first-in-first-served basis. If one communications device has access to the CS I/O port and the second device requests a connection, no connection will be made until the first device has terminated its session. The SDS511 does NOT allow concurrent communications between the two communications devices and the CS I/O port.

2. Installation

The SDS511 can be mounted on an enclosure backplane using the backplane grommet and screw included. Alternatively, the SDS511 can be mounted on the enclosure wall using double-sided adhesive tape or velcro. The single flying lead with DB9 connector is connected into the datalogger's I/O port. The two DB9 connectors on top of the SDS511 are for connecting up to two ME or SDC communications devices. With the 2 DB9 connectors facing upwards and the datalogger communications cable on the left, the top DB9 is numbered Port 1 and the bottom DB9 is numbered Port 2. Port 1 can be used for both SDC (CR10KD, COM300, etc) and ME devices. Port 2 can be used for ME devices only. These include a computer, Palm device, SC932, COM200, CD294, etc. Up to three SDS511 devices can be cascaded if further devices are required.

The SDS511 is ideally suited to communications devices which access the CS I/O port intermittently for short duration. These include the CD294 DataView Display, CR10KD, notebook computer, Palm device and telephone modems. It is not suited to communication devices which tie-up the CS I/O port for extended periods.



3. Hardware

SPECIFICATIONS

Physical

Width:	43 mm
Height:	63 mm
Depth:	33 mm
Weight:	60 g
Supply Requirements:	5 VDC (powered from datalogger)

Power

Current consumption:
Operating: < 5 uA typical
Operating temperature range:
-25°C to +55°C

Environmental

0-90% RH Non-condensing