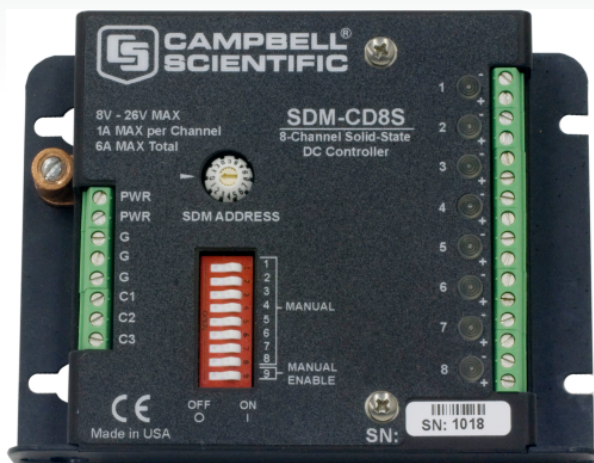




## SDM-CD8S

8-Channel Solid-State DC Controller



## Expands Data Logger Control Capacity

For dc devices with moderate current loads

### Overview

With an SDM-CD8S, your data logger can control dc devices that have a moderate current load, such as solenoids, solenoid valves, dc motors, stepper motors, lights, horns, heaters, and

fans. The SDM-CD8S is ideal for applications requiring only a few control ports, where a larger, high-powered relay module (such as the SDM-CD16S) is not necessary.

### Benefits and Features

- ▶ Provides a manual override
- ▶ Enables multiple SDM-CD8S devices to be wired to one data logger, increasing the number of devices that can be controlled
- ▶ Includes LEDs that provide a visual indicator of active outputs

### Detailed Description

The SDM-CD8S has eight dc-voltage outputs and returns that can be switched on and off manually or under data logger control.

- ▶ When the manual control switch is in the ON position, outputs are controlled by the position of the individual rocker switches.
- ▶ In the OFF position the state of the relays is controlled by the SDM commands from the data logger.

The voltage range for this device is 8 to 26 Vdc. It can deliver up to 1 A per channel with a maximum of 6 A total for all

channels. The power input (8 to 26 Vdc) powers both the outputs and the SDM-CD8S logic.

### SDM Operation

The SDM-CD8S is a synchronously addressed data logger peripheral. Data logger control ports 1, 2, and 3 are used to address the SDM-CD8S, then clock out the desired state of each of the eight control ports. Up to 15 SDM-CD8S controllers may be addressed, making it possible to control a maximum of 120 ports from the first three data logger control ports.

## Specifications

Function	Allows the data logger to control dc devices that have a moderate current load, such as solenoids, solenoid valves, dc motors, stepper motors, lights, horns, heaters, and fans.	› 2.5 mA per active LED (manual or auto)
Number of Channels	8	› Individual dip switches for manual
Supply Voltage Range	8 to 26 Vdc	› MANUAL, OFF, AUTO
Operating Voltage	12 Vdc	› 1 A (per channel)
Logic Current Drain (@ 12 Vdc)	› 15 mA (quiescent)	› 6 A (all channels total)
Toggle Switch		› 8 μs/200 μs
Maximum Current		› -40° to +70°C
Actuation/Release Times		
Operating Temperature		
Dimensions		11.1 x 8.6 x 2.4 cm (4.4 x 3.4 x 0.9 in.)

For comprehensive details, visit: [www.campbellsci.com/sdm-cd8s](http://www.campbellsci.com/sdm-cd8s) 



Campbell Scientific, Inc. | 815 W 1800 N | Logan, UT 84321-1784 | (435) 227-9120 | [www.campbellsci.com](http://www.campbellsci.com)  
AUSTRALIA | BRAZIL | CANADA | CHINA | COSTA RICA | FRANCE | GERMANY | INDIA | SOUTH AFRICA | SPAIN | THAILAND | UK | USA

© 2020 Campbell Scientific, Inc. | 08/13/2020