



FC100 Fiber Optic Converter



Lightning Protection

Long-term, trouble-free protection for your data logger

Overview

The FC100 is typically used with the SG000 Strike Guard Lightning Detector as part of the CS110 and LW110 lightning warning systems. The SG000 outputs its data signal via fiber-optic cable, and the FC100 is installed at the end of the fiber-optic cable and before the data logger. The FC100 converts a

fiber-optic data signal into an RS-232 signal for a lightning-proof connection between the sensor and the data logger.

The FC100 can also be used as an RS-232 link between two serial devices (data logger to PC) separated by less than 100 m (328 ft). The FC100 is a DCE device so a null modem cable will be needed between it and a data logger.

Benefits and Features

- ▶ Lightning-proof and lightning-safe serial communication
- ▶ Robust design for long, trouble-free operation
- ▶ Instant termination without connectors, crimping, polishing, or epoxy

Detailed Description

The FC100 is designed for use with the SG000 Strike Guard lightning detector as part of the CS110 lightning warning system. The SG000 outputs its data signal via fiber-optic cable, and the FC100 is installed at the end of the fiber-optic cable and before the data logger. The FC100 converts a fiber-optic data signal into an RS-232 signal for a lightning-proof

connection between the sensor and the data logger.

The FC100 can also be used as an RS-232 link between two serial devices (data logger to PC) separated by less than 328 ft (100 m). The FC100 is a DCE device so a null modem cable will be needed between it and a data logger.

Specifications

Electrical Connector 9-pin, D sub, DTE compatible

Baud Rates 1,200 to 19,200 bps (at 100 m guaranteed with FC100CBL-L cable)



Power	12 Vdc (via pn 14291 or pn 15966)
Current	5 mA (average)
Mounting Holes	7.62 cm (3 in.) apart
Case Width	2.8 cm (1.1 in.)

Dimensions

- › 5.6 cm (2.2 in.) from the bottom of the case to the top of the screw on the top of the case
- › 9.0 cm (3.5 in.) from the ends of the mounting bracket

For comprehensive details, visit: www.campbellsci.com/fc100 



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