

RS232C Interface/Data Formatter

Capricorn II™ Data Bulletin

Catalog Number: 8232



Data captured by your Capricorn II™ or Capricorn II Plus™ weather station can be read, stored, printed, and transmitted to develop a permanent *local* weather database.

With the Capricorn RS232C Interface/Data Formatter, you can link your weather station directly to a computer, printer, or other serial peripheral device.

The Interface/Data Formatter is a separate, stand-alone device connected to the Capricorn II or II Plus by a short ribbon cable. Any computer or computer peripheral device with an RS232C port can be connected to the Capricorn weather station via the Interface.

The Capricorn Interface/Data Formatter responds to control codes X-On and X-Off, and to RS232C control signals.

Early version Capricorn II units which do not have the factory-installed port for connection of the Interface may be returned to the factory for an inexpensive retrofit.

Functions

- Print all available data from the Capricorn II at a selected repetition rate — either directly to a printer or via a PC or modem.
- Display Capricorn II data reports on a computer monitor, either directly or through a modem.
- Display weather data you specify through keyboard-generated ASCII characters.*
- Reset Capricorn II memory remotely.
- Interface with an auto-answer modem for remote operations.

*A list of the single-character codes and the data they prompt is included in a complete User Manual supplied with the Interface.



Columbia Weather Systems, Inc.
2240 NE Griffin Oaks St.,
Suite 100
Hillsboro, OR 97124
Toll-free 1 888 508-7375
Phone (503) 629-0887
Fax (503) 629-0898
info@columbiaweather.com
www.columbiaweather.com

```

CAPRICORN II WEATHER REPORT
INSIDE TEMP  48.5 DEGREES F
OUTSIDE TEMP 43.8 DEGREES F
WIND CHILL TEMP 43.8 DEGREES F
HIGH TEMP  43.8 DEGREES F
LOW TEMP   43.7 DEGREES F
WIND DIRECTION N
WIND SPEED   0 MPH
HIGH WIND SPEED  5 MPH
PEAK WIND GUST  33 MPH
BAROMETER 31.58 INCHES
HIGH BAROMETER 31.58 INCHES
LOW BAROMETER 31.58 INCHES
WIND ALARM +SILENT+ > 100 MPH
TEMP ALARM +SILENT+ < 35 DEG F

```

Printer Formats

With the Capricorn II connected to your printer or computer through the RS232C Interface/Data Formatter, the report shown above prints out or displays on your computer monitor at the selected repetition rate. (Other options are available with WeatherView™ Software for Windows.)

Specific data parameters can be specified for display through keyboard-generated ASCII characters.

System Requirements

- Capricorn II™ or II Plus™ weather station
- RS232C Interface/Data Formatter (Catalog No. 8232, cable included for Interface to Capricorn II connection.)
- Any RS232C-compatible computer or serial peripheral device (e.g., printer)
- RS232C cable to connect Interface to computer or peripheral device (Catalog No. 8235, Computer Cable; Cat. No. 8305, Printer Cable; or Cat. No. 8234, Modem Cable)

Specifications

Dimensions – 3½" x 5" x 1½"

Net Weight – 1 lb.

Configuration Switches

- Eight DIP switches for selecting:
 - Baud Rate (300, 600, 1200, or 9600)
 - Number of Data Bits (7 or 8)
 - Number of Stop Bits (1 or 2)
 - Parity (odd, even, or none)
 - Data Output Repetition Rate (continuous, every 15 minutes, 30 minutes, or 60 minutes)
- Eight DIP switches are provided for configuring the RS232C signal lines for different computers and peripherals

DB25 Female Connector

Operable as either Data Communications Equipment (DCE) or Data Terminal Equipment (DTE).

Order Information

Catalog No. 8232, includes:

- RS232C Interface/Data Formatter
- Cable to connect Capricorn II to Interface
- User Manual

Requires RS232C cable to connect Interface to computer or peripheral device (Catalog No. 8235, Computer Cable; Cat. No. 8305, Printer Cable; or Cat. No. 8234, Modem Cable)



Columbia Weather Systems, Inc.

2240 NE Griffin Oaks St.
Suite 100
Hillsboro, OR 97124
Toll-free 1 888 508-7375
Phone (503) 629-0887
Fax (503) 629-0898
info@columbiaweather.com
www.columbiaweather.com