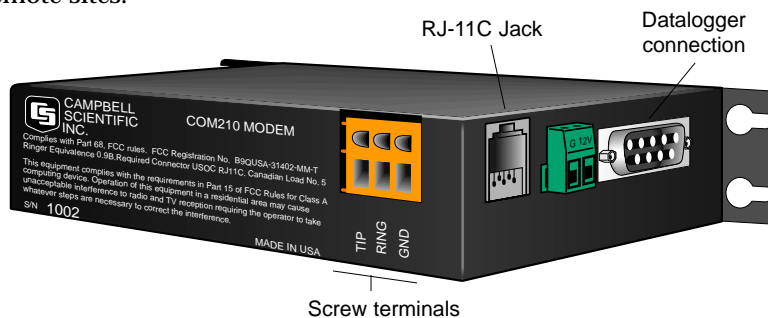


Telephone Modem

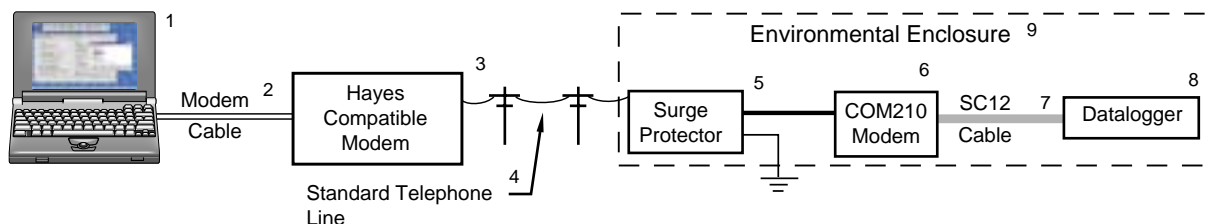
Model COM210

The COM210 modem enables communications between a computer and a Campbell Scientific datalogger over a public switched telephone network. A Hayes-compatible modem is required at the computer base station. The COM210 connects to the datalogger at the field site. The COM210's wide operating temperature range and low power requirements make it ideal for use at remote sites.

Campbell Scientific software is required to use the COM210 with our dataloggers. LoggerNet or PC208W can be used. They support error-checking and manual or automated dialing and run unattended allowing the use of lower off-hour telephone rates. The CR5000 is not compatible with PC208W.



The RJ-11C Jack connects the COM210 to a surge-protected phone line. Alternatively, the screw terminals connect the COM210 to a phone line via a surge protector.



Hardware Requirements

At Computer Base Station

- 1) User-supplied PC running LoggerNet or PC208W software; CR5000 not compatible with PC208W
- 2) Serial cable (7026 for 9-pin serial ports, SC25PS for 25-pin serial ports, or equivalent)
- 3) Customer-supplied, Hayes-compatible modem
- 4) Switched telephone network that connects the computer base station with each datalogger field site

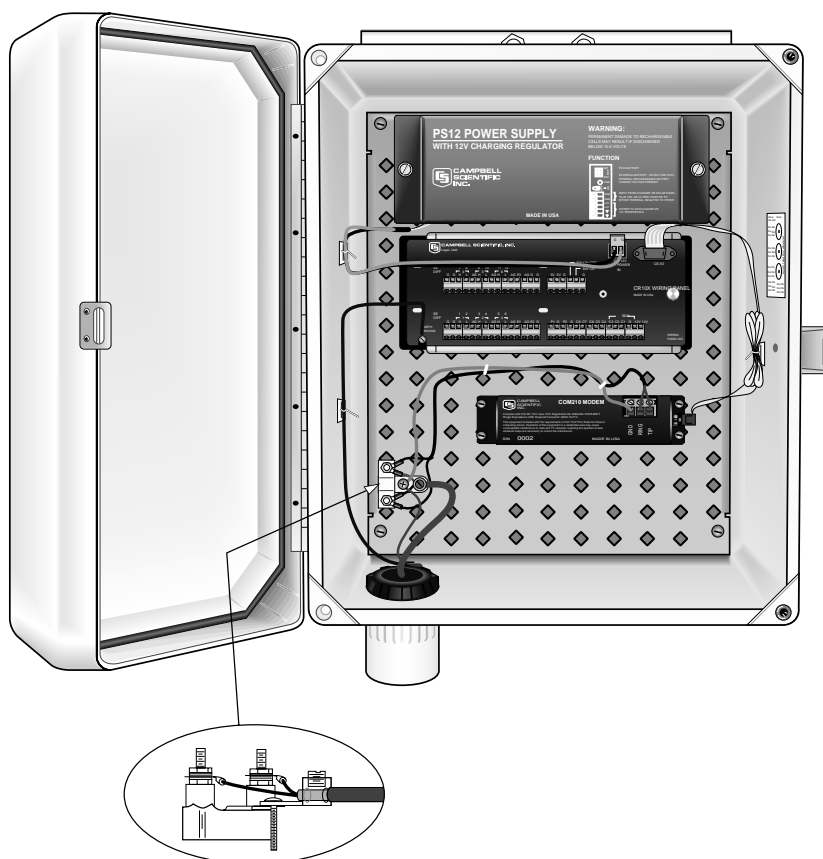
At Field Site

- 5) Telephone surge protector if the telephone company has not installed surge protection
- 6) COM210 modem
- 7) SC12 cable (included with COM210); the more rugged SC12R cable available as an option
- 8) CR500, CR510, CR10(X), 21X(L), CR23X, CR7, or CR5000 datalogger
- 9) ENC 12/14, ENC 16/18, or an equivalent enclosure
- 10) Power supply, typically the PS12LA sealed rechargeable battery recharged with ac power or solar panels



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COM210 in ENC 12/14 enclosure with CR10X datalogger, PS12LA power supply, and enclosure-mounted surge protector (Model 6362).

COM210 Specifications

- Standards
Bell 212A, CCITT V.22, V.32bis
- FCC Registration
B9QUSA-31402-MM-T
- Operating voltage:
12 volts
- Current drain
120 μ A quiescent
160 mA active
- Bits per second (bps)
1200, 4800, 9600
- Speaker
- Operation
Full-duplex over standard analog phone lines
- Operating temperature
-25° to +50°C std, -55° to +85°C optional
- Size
5.2" x 1.7" x 3.6" (13.1 x 4.3 x 9.2 cm)
- Weight
0.75 lbs (.34 kg)
- COM210 shipped with SC12 cable, ground cable, and telephone patch cord

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