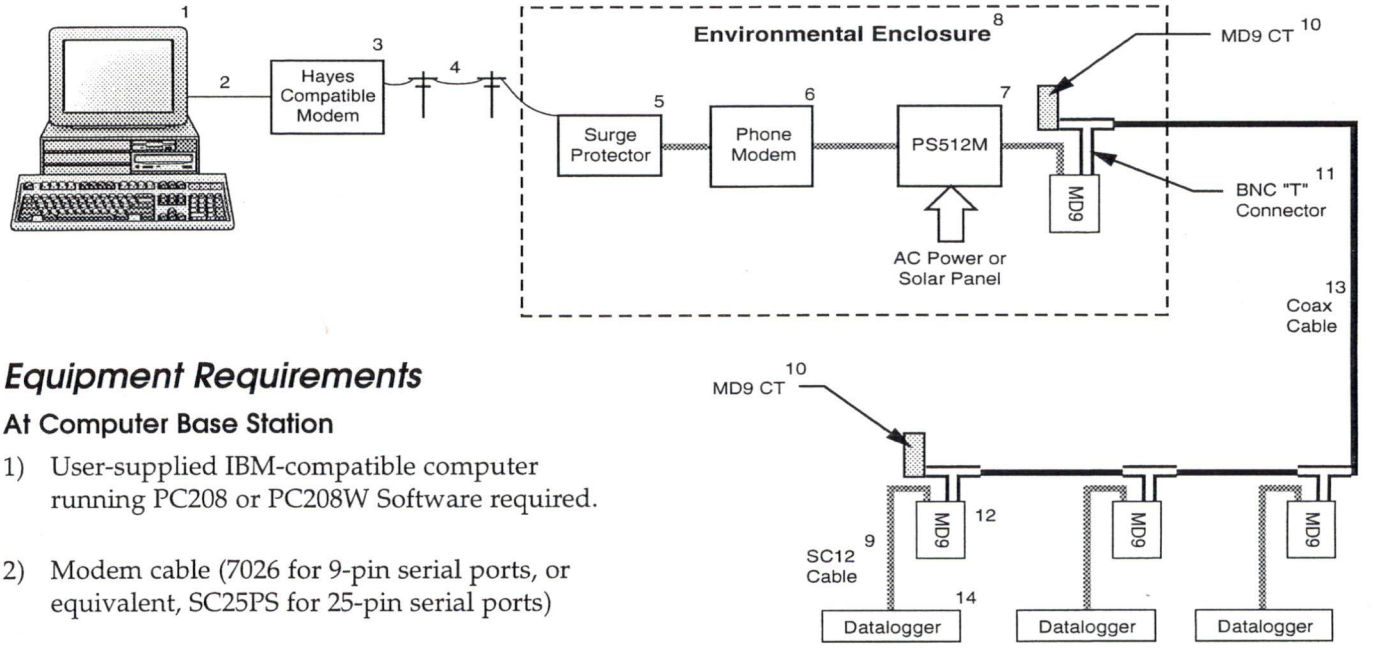
Data Retrieval

Using a Phone-to-MD9 Network System

A telephone-to-MD9 network allows access of distant MD9 networks by telephone modem. The base station computer calls the COM200 modem in the phone-to-MD9 base station. Transmissions are then transferred to coaxial cable allowing each station in the MD9 network to be monitored, reprogrammed, or have data downloaded.



Equipment Requirements

At Computer Base Station

1) User-supplied IBM-compatible computer running PC208 or PC208W Software required.

2) Modem cable (7026 for 9-pin serial ports, or equivalent, SC25PS for 25-pin serial ports)

3) Customer-supplied Hayes-compatible modem.

4) Connection to a switched telephone network.

At Phone-to-MD9 Base Station

5) Model 6362 (for use with enclosure) or Model 2372-01 Joslyn Telephone Surge Protector, if the telephone company does not install a surge protector.

6) COM200 Telephone Modem and a 10704 adapter. An SC12 cable is included with the COM200. The telephone line can be connected to the COM200 by RJ-11C phone jack or screw terminals.

7) PS512M 12 VDC sealed rechargeable power supply with charging regulator and null modem ports. Must recharge the PS512M with AC power or a solar panel.

8) ENC 12/14 or 16/18 enclosure.

9) SC12 9-pin Serial Cable; provided with MD9.

10) An MD9 CT Coax Terminator (75 Ohm) at each end of cable; sold in pairs.

11) BNC "T" connectors; provided with MD9.

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12) MD9 Multidrop Interface; one at the computer and one at each of the dataloggers in the network.

13) User-supplied coaxial cable (RG59/U Belden Model #9100 recommended). Requires user-attached BNC connector at each junction. Completed "sections" of cable or RG59/U cable (cut to length) and BNC connectors can be ordered from Campbell Scientific.

14) CSI's CR10(X), 21X, CR500, CR510, CR23X or CR7 datalogger and a 12 VDC power supply. An environmental enclosure is also typically used.

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