GENERAL INFORMATION

The 8950T Modem Module is a 33.6 kbps modem designed for use with the Symphony Advanced User Interface. It provides Symphony with an Internet gateway where broadband service is not available.

NOTE: The 8950T is not an alarm system dialer. It does not report alarm conditions or alarm system status.

INSTALLATION

The 8950T Modem Module should be mounted inside the control panel using two (2) screws (supplied) and wired in accordance with the Summary of Connections diagram shown below.

Specifications

Full-duplex, asynchronous modem with line rates up to 33.6 kbps using V.34 modulation

Input power: 12VDC, 200mA (typical) 13.5VDC, 250mA (max.)

Phone line interface: 2-wire, tip and ring

Symphony interface: asynchronous RS232 via RJ 45 connector using category 5 cable

FEDERAL COMMUNICATIONS COMMISSION (FCC) Part 15 STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information: This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer’s instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the radio or television receiver away from the receiver/control.
- Move the antenna leads away from any wire runs to the receiver/control.
- Plug the receiver/control into a different outlet so that it and the radio or television receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user or installer may find the following booklet prepared by the Federal Communications Commission helpful: "Interference Handbook" This booklet is available from the U.S. Government Printing Office, Washington, DC 20402.

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Guide or User Guide. Unauthorized changes or modifications could void the user’s authority to operate the equipment.

Summary of Connections

HOW TO SETUP NETWORK CONNECTIVITY

Symphony is defaulted to having an Ethernet connection with DHCP selected. Therefore, you must select the Dial-up network connection option for use with the 8950T.

DISPLAY

The 8950T has four LEDs that are used to indicate status. These LEDs are only visible with the cover removed.

**TX** 8950T is transmitting data.

**DTR** Data Terminal Ready normally lit after installation, when power is applied.

**RX** 8950T is receiving data.

**CD** Carrier Detect, normally lit when 8950T is off-hook and transceiving data.
IN THE EVENT OF TELEPHONE OPERATIONAL PROBLEMS

In the event of telephone operational problems, disconnect the control by removing the plug from the RJ 31X (CA38A in Canada) telephone wall jack. We recommend that your certified installer demonstrate disconnecting the phones on installation of the system. Do not disconnect the phone connection inside the control/communicator. Doing so will result in the loss of your phone lines. If the regular phone works correctly after the control/communicator has been disconnected from the phone lines, the control/communicator has a problem and should be returned for repair. If, upon disconnection of the control/communicator, there is still a problem on the line, notify the telephone company that it has a problem and request prompt repair service. The user may not under any circumstances (in or out of warranty) attempt any service or repairs to the system. It must be returned to the factory or an authorized service agency for all repairs.

CANADIAN EMISSIONS STATEMENTS

This Class B digital apparatus complies with Canadian ICES-003. Cet Appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.