Telephone & Cable Indoor Stand Alone Protection
Surface Installation

Models

| Model Numbers:	Description:
IG2TM	2-line telephone protector with indoor enclosure (NEMA 1)
IG4TM	4-line telephone protector with indoor enclosure (NEMA 1)
IG1CM	1-line coaxial cable protector with indoor enclosure (NEMA 1)
Optional Modules	
IG2T	2-phone line protection module
IG1C	coaxial cable protection module

Parts List

Description	Quantity	Reference
Mounting Frame	1	A
Cover / Back plate	1	B
IG2T (in Model IG2TM)	1	C
IG2T (2nd module in Model IG4TM)	1	D
IG1C(Coax module in model IG1CM)	1	E
Screws-self threading (3/8" Torx T20 / slot head)	2	F
Ground Wire	1	G
3/4" x 6 Pan Head Screws	4	(not shown)
3/4" anchors	4	(not shown)

Tools Required

Flat head screw driver, Torx T-20 head screw driver, Awl or hole punch, drill, 1/8" and 3/16" bits.
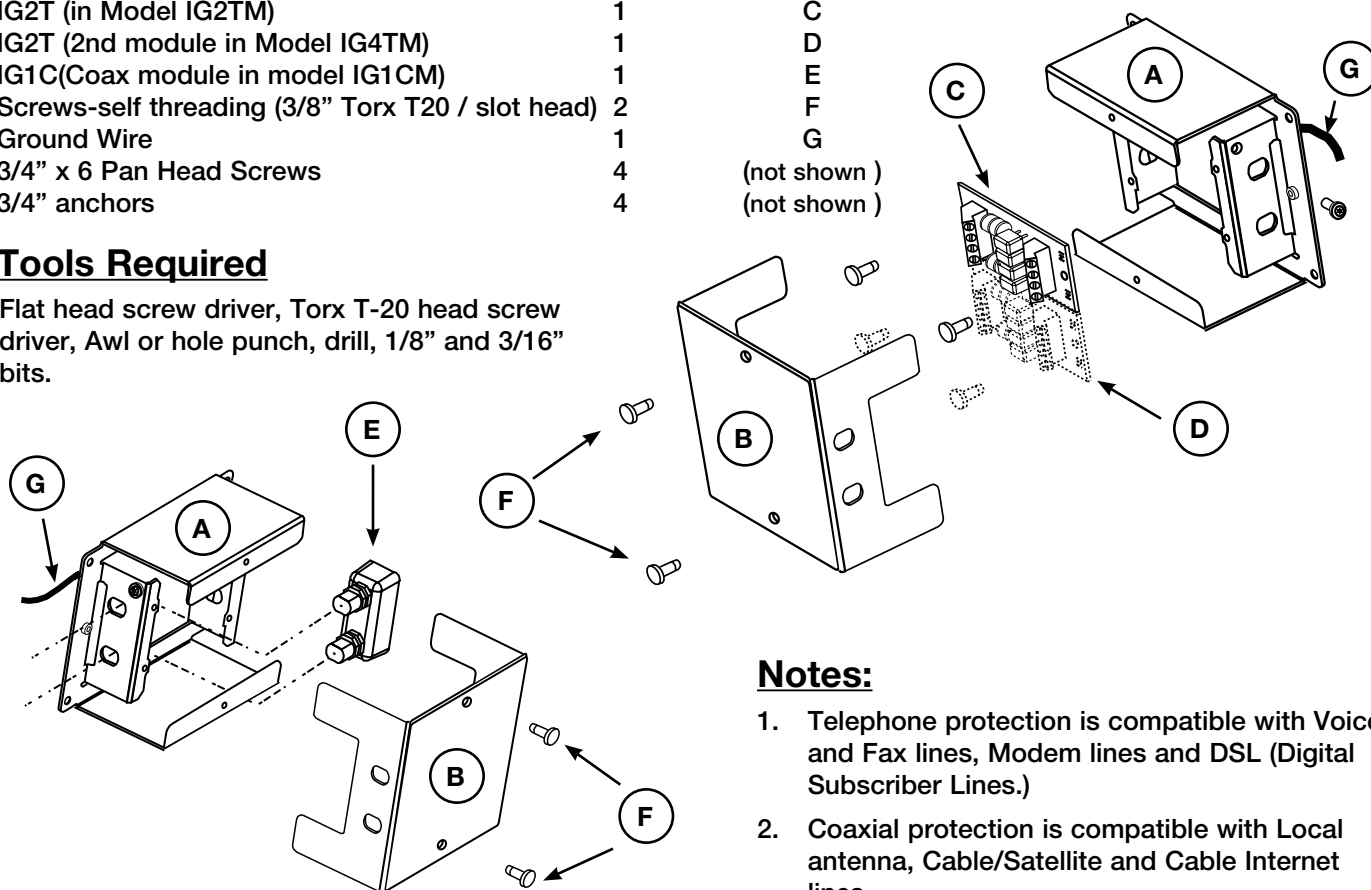
Notes:

1. Telephone protection is compatible with Voice and Fax lines, Modem lines and DSL (Digital Subscriber Lines.)

2. Coaxial protection is compatible with Local antenna, Cable/Satellite and Cable Internet lines.

Before Installing

1. This device is intended for surface mounting. If unit is to be flush mounted (inside of wall) make sure that you have the FLUSH MOUNTING KIT, part number **IGFLUSH**.

2. Check the parts in the package against the Parts List shown above. Contact Intermatic if parts are missing.

3. It is suggested that you read these instructions completely before installing the Stand Alone Protection (SAP) unit.
   Note: These modules rely on a good ground connection to function properly. Ground availability should be a consideration when selecting an installation location.

Do not install Protection Devices during Electrical Storms.

Installation

1. Select a location to install the Stand Alone Protector (SAP) that is convenient to telephone and /or coaxial cables. Allow enough room to route the cables in and out of the unit. REMEMBER THAT THE GROUND CONDUCTOR MUST BE BONDED (COMMON) WITH THE SERVICE ENTRANCE GROUND.

2. Remove the Cover (B) from the SAP unit by removing the two Torx Head screws (F) and separating the cover from the mounting frame (A).

3. Mark the position of the mounting holes located in the flange of the mounting frame on the wall or area surface and drill or punch for installation of the anchors if required, and 3/4" pan head screws.

4. Secure the SAP Mounting Frame to the wall or vertical surface.

5. Route the cables to the SAP and secure the cables to the vertical surface.

6. Install the Ground Wire and make certain that it is properly connected to the building ground.

7. Allow approximately four inches (4") of phone cable for each connection set. Leave enough slack in the cable to allow it to be secured to the Mounting Frame without placing stress on the wires and terminals. Route the incoming phone cable (unprotected) to the top of the unit (note the IN on the phone protection module). Route the protected phone cable to the bottom of the unit (note the OUT on the phone protection module).

8. Remove 1 inch (1") of jacket from both phone cables. Exercise caution when removing the jacket to prevent nicking the individual wires.

9. Identify the pairs of wires to be protected and strip one-quarter inch (1/4") of insulation from each wire in both the IN and OUT phone wires. Exercise caution when removing the insulation to prevent nicking the individual wires.

10. Insert the first pair of wires into the terminal strip marked **CN1** located at the IN side of the protection module. Secure the wires by tightening the screw in the head of the terminal. Do not overtighten. The wires are secure if a gentle pull on the wire does not dislodge it from the terminal.

11. Locate the identical pair of wires by color marking in the cable at the OUT or PROTECTED side of the protection module and insert and secure them in terminal strip marked **CN3**. Be sure to match the polarity (wire markings) of the pair of wires connected to terminal strip **CN1**.

12. Repeat steps 8 through 10 for each line (pair of wires) using successive positions in terminal strips **CN1** and **CN2** for input and **CN3** and **CN4** for output.

13. Position all unused wires away from the protection module to prevent shorting. Unused wires may be cut off if additional phone lines are not anticipated in the future.

14. Secure the IN and OUT cables to the Mounting Frame. Make sure that the cables will not interfere with the Cover when it is replaced.

15. Refer to the COAXIAL CABLE section below if Coaxial protection is used.

16. When wiring is complete, replace the Cover / back plate that was removed in step #2 above and secure it with the Torx Head screws.

17. TEST each phone line for proper operation.
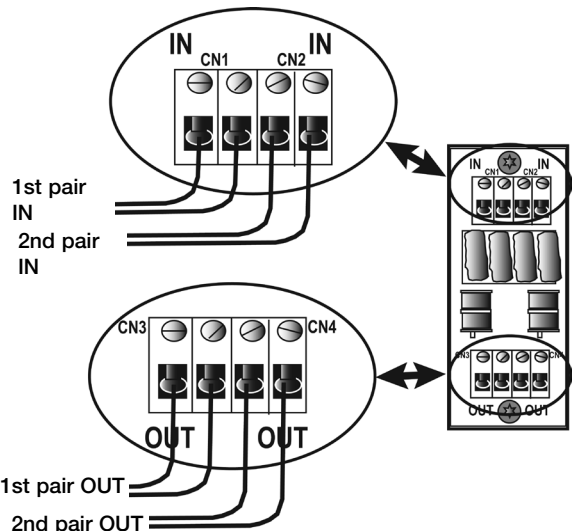
Coaxial Protection

1. Follow steps 1 through 6 above.

2. Connect the cable to the IG1C module using F-thread coax connectors. The IG1C module is bi-directional and IN and OUT Coax connectors may be connected to either position.

3. Follow steps 14 and 16 above.

4. TEST each coax line for proper operation.

NOTE:
In the event that the Telephone surge protection circuit should fail due to excessive energy, it may result in an "OFF HOOK" condition for telephone lines. The protector should be bypassed until a replacement unit is obtained and installed. In the case of a Coax protector failure, the signal to the equipment may be interrupted or degraded. The protector should be bypassed until a replacement unit is obtained and installed.

For troubleshooting assistance, call Intermatic at 1-800-391-4555.

INTERMATIC INCORPORATED
Spring Grove, Illinois 60081
http://www.intermatic.com

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