

HomeVision Port Extender

- Installation Instructions -

Port Extender Description

The HomeVision port extender (Figure 1) connects to the base HomeVision unit via three ribbon cables. Once connected, you can access the three HomeVision input/output ports (A, B, and C) without removing the HomeVision cover. You can also quickly disconnect HomeVision from the port extender and move it whenever necessary.

The port extender is built from the same circuit board as the multifunction expansion board. Most of the multifunction board's parts are not used on the port extender, so most of the board labels should be ignored. The only relevant items are the three headers and terminal blocks.

Connections to HomeVision

Connect one of the supplied 10-wire ribbon cables to each HomeVision terminal block. (the end of the ribbon cable without a connector attaches to the terminal block). Separate the 10 wires for a distance of 2"-3" using your fingers or pliers. Strip off about 1/4" of insulation from each wire. Connect the 10 wires to the 10 positions of the HomeVision terminal block. The red wire is wire #1 and connects to the first (left) position of the terminal block. The other wires connect in order from left to right.

You should also label the connector end of the cables with the port letters (A, B, and C). Then you'll be able to tell which cable is which when the HomeVision cover is installed.

Connections to Port Extender

Insert the connector ends of the three cables onto the port extender 10-pin headers. When making these connections, note the correct orientation of the connectors. Pin 1 on the connectors is noted by the red wire. The pin 1 location on the board is noted by the white line and the number "1".

You can connect any HomeVision port (A, B, C) to any port extender port (1, 2, 3). However, it will easiest to remember if you connect A to port 1, B to port 2, and C to port 3. The relationship of the input header names to the port numbers is rather obvious:

10-pin header	Connects to this port
"Port 1 input"	Port 1
"Port 2 input"	Port 2
"Port 3 input"	Port 3

These connections "extend" the HomeVision terminal blocks to the port extender terminal blocks. Each position on the HomeVision terminal block is now directly tied to the corresponding position of the port extender terminal block. These ports work just like the corresponding port on the HomeVision controller. Wire to these terminal block just as if you were connecting directly to the ports on HomeVision.

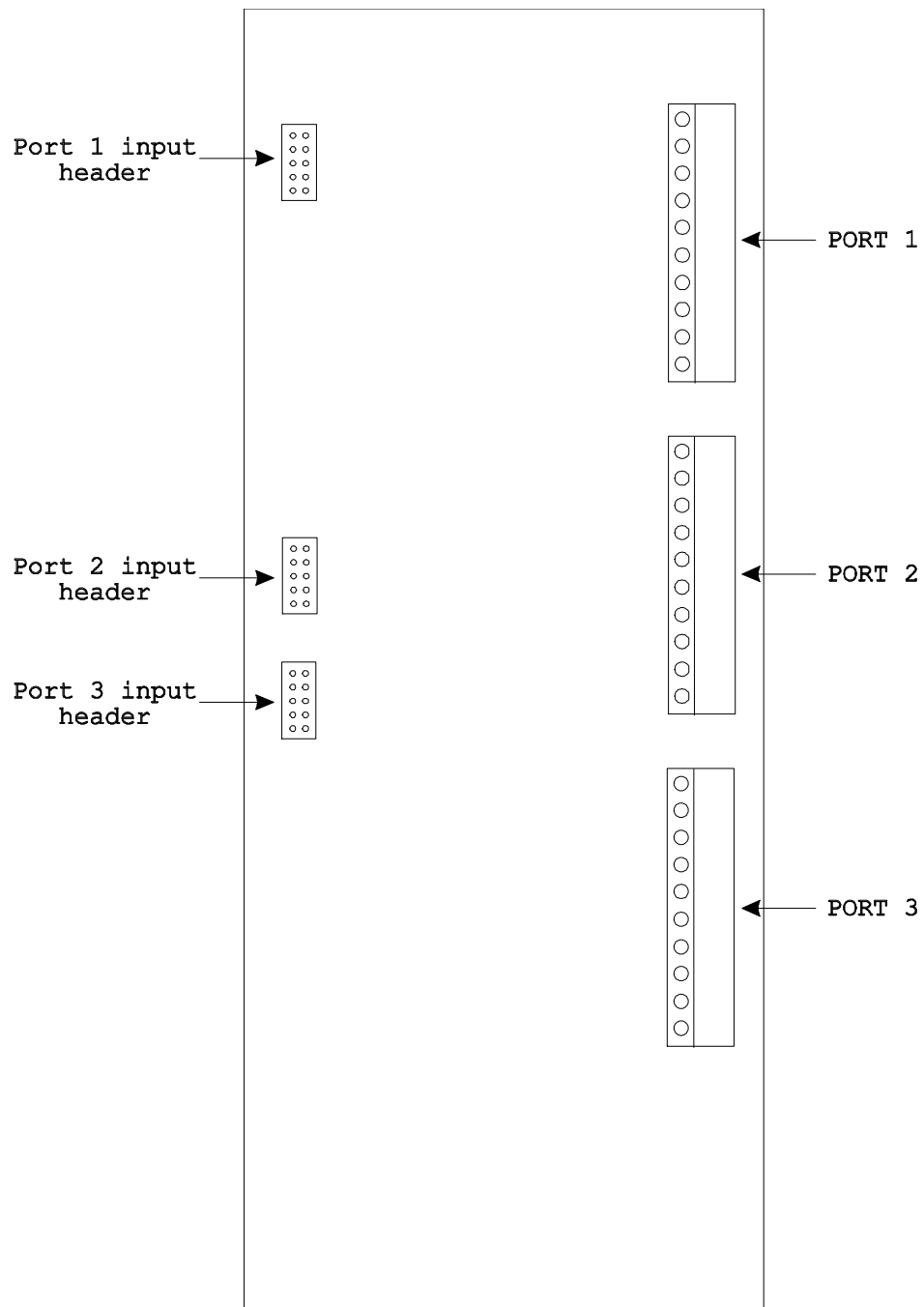


Figure 1 - Port extender board