

## Installing the iVAC Pro Switch MSC-DEC with a Gyro G700 dust collector that has a Harvey Industries Remote Control

The iVAC Pro Switch MSC-DEC replaces the Harvey Industries remote control that comes with the G700.

I recommend that you read through the entire G700 Remote installation manual and the instructions below to familiarize yourself with them before you do anything else. Then work your way through the steps as described.

The MSC-DEC has a 5 wire cable. You will have to find a way to get this cable inside the G700 control panel and secure it so that it cannot be pulled out. You will have to connect the green & yellow ground wire and the red / white wire pair. Insulate the ends of the unused pair (green / black), tie them up neatly and keep them out of the way. They can't do any harm as long as they don't make electrical contact with anything. These instructions refer to the figures in the Gyro Air G700 Remote Installation manual.

Follow Section 2.1, Wiring Steps (in the Harvey Remote Control Installation Instructions).

- ☐ Perform Step #1 and the first part of Step #2 to remove the BOP.
- ☐ Remove the wire from terminal DI1 (the last terminal on the left) that goes to the Harvey remote receiver.
- ☐ Insert the White wire from the MSC-DEC cable into terminal DI1 (the last terminal on the left).
- ☐ Remove the wires that connect the Harvey remote receiver to 0 volts and 10 volts shown in Fig. 8 and Fig.9.
- ☐ Connect the Red wire from the MSC-DEC cable to one of the 0V terminals as shown in Fig. 8 or Fig 9.
- ☐ Connect the Green / Yellow ground wire from the MSC-DEC cable to one of the green & yellow Protective Earth terminals at the bottom of the terminal block shown in Fig. 8 or Fig 9 as appropriate. You should check that the terminal you choose is really connected to ground. If it's not then you can connect the Green / Yellow ground wire from the MSC-DEC cable to the ground stud shown next to the Harvey Remote Receiver in Fig. 10.

At this point, you can either remove the Harvey remote receiver completely or just tie all the wires from the remote receiver neatly to keep them out of the way and insulate the bare ends so they won't make contact with anything inside the G700 control panel. I recommend the latter so that you can reinstall the Harvey remote receiver later if desired.

That completes the wiring portion of the installation.

As your G700 came with the Harvey remote already installed all the parameter changes should already be complete and the iVAC Pro Switch MSC-DEC should now be able to control the dust collector.

You can test the system by moving the mode switch on the front of the Pro Switch MSC-DEC to the Auto position and using the Pro Remote or a Pro Tool Plus to signal the Pro Switch to turn on the dust collector and turn it off again.

If the Pro Switch MSC-DEC will not control the dust collector as expected

- ❑ Make sure the MSC-DEC is working properly. The status light on the front of the MSC-DEC tells you when the dust collector should be running and when it should not. You should also be able to hear the relays inside the MSC-DEC click when they operate.
- ❑ Check your wiring of the MSC-DEC to the G700. The red wire from the MSC-DEC cable should be connected to 0 volts dc.
- ❑ If all of the above is correct you can follow the instructions in the Harvey Remote Receiver installation instructions in section 2.2 to ensure that the parameters are all set properly.
- ❑ If all of the above are OK and the system still will not work please contact iVAC Technical Support ([info@ivacswitch.com](mailto:info@ivacswitch.com) or 1-800-775-5579 ext. 4) for assistance.

