SoloRain TM
RPA Radio Adapter
Model 8040

Fig 0 goes here

INTRODUCTION

Thank you for selecting the Nelson SoloRain 8040 RPA Radio Adapter. Please read the following instructions carefully to get familiar with important precautions and installation instructions. If you have any questions regarding your SoloRain RPA Radio Adapter please call our technical assistance hotline 800-NELSON8 (inside USA) or 309-690-2200 (outside USA).

INSTALLATION

The 8040 PG Radio Adapter can be installed with the Model 8030 Remote Programmable Actuator. For this installation you will need the 8040 RPA Radio adapter, the 8030 RPA, your 8081 Radio Programmer Plus, and a high quality 9V alkaline battery such as Energizer TM *, 2 leak-proof connectors, wire cutters, and pliers Please follow the following steps to correctly install the 8040 RPA Radio Adapter. Refer to figure I as needed.

Step 1) Connect the coiled telephone cord from the Model 8081 Radio Programmer Plus into the telephone jack inside the 8040 RPA Radio Adapter.
Step 2) Cut the red and black wires halfway between the battery case cap and the black protective covering as shown in figure 1. **Do not** strip the wires.
Step 3) Insert all 3 red wires into the leak-proof connector supplied. Make sure all 3 red wires are fully inserted in the connector. Crimp the connector firmly.
Step 4) Insert all 3 black wires into the leak-proof connector supplied. Make sure all 3 black wires are fully inserted into the connector. Crimp the connector firmly.
Step 5) Connect the 9V battery to the battery connector. The 8081 should now indicate a connection to the 8030 RPA.
Step 6) Place 9V battery into the battery compartment and press the battery case cap securely onto the battery case.
Step 7) You must input a 3 digit actuator ID (identification) – Use key on the 8081 Programmer to display the menu. Choose 5 "Actuator ID" from the menu on the 8081 Programmer and input the code. Use to return to the menu. Each actuator in the

system must have a unique ID for proper radio operation. You must remember the 3 digit ID in order to radio connect to this unit. The ID can be reset at any time by connecting with the telephone cord and choosing "Actuator ID" from the menu.
Step 8) Disconnect the coiled telephone plug from the telephone jack inside the 8030 RPA.
Step 9) Connect the 8040 telephone cord to the telephone jack inside the 8030 RPA.
Step 10) Secure the 8040 RPA Adapter onto the 8030 RPA

Figures 1,2 and 3 go here

* (Energizer TM is the registered trademark of the Eveready Battery Co., Inc.)

COMMUNICATION

The RPA/8040 unit can now communicate with the 8081 Programmer unit. All programming and manual operations can now be controlled via the 8081 Programmer radio connection. The range of signal will be between 6 meters installed in ground and 30 meters above ground. Actual performance will depend on terrain and the installation configuration.

The RPA/8040 unit has 2 levels of security to protect against tampering.
1)   You must know the Actuator ID to connect with the unit.
2)   The 8081 Programmer has a 4 digit "Programming code" that is set
   by the user. This code is automatically input to the PG Multi-Station Actuator when the Actuator ID was set. If the "Programming code" has been changed you must connect by telephone cord to the PG Multi-Station Actuator to reset the code.

INFORMATION TO USER (Section 15.21)

The user is cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC ID: NYD8040

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NELSON WARRANTY

Standard electronics warranty verbiage