
Farmscan 24V1

AutoSPRAY cable

(Part No. 1-2800)

Installation Manual

Part Number: 1-1272

Revision: E

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INTRODUCTION

The Farmscan 24V1 AutoSPRAY Cable (Part No 1-2800) is designed to suit the following installations:

Compatible Spray Controllers

Farmscan 24V1

Farmscan 2400*

* with 2405 switch controller (modified by Farmscan for RINEX AutoSPRAY)

The cable will control up to five individual boom sections; but does not detect the status of the Master Switch in the installation.

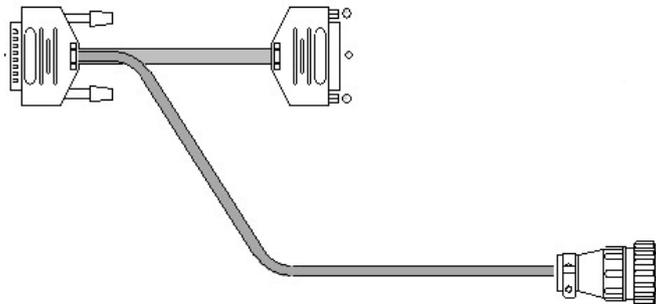


Figure 1: AutoSPRAY Interface Cable (Part No 1-2800)

INSTALLATION

A schematic of the cable installation is shown in Figure 2.

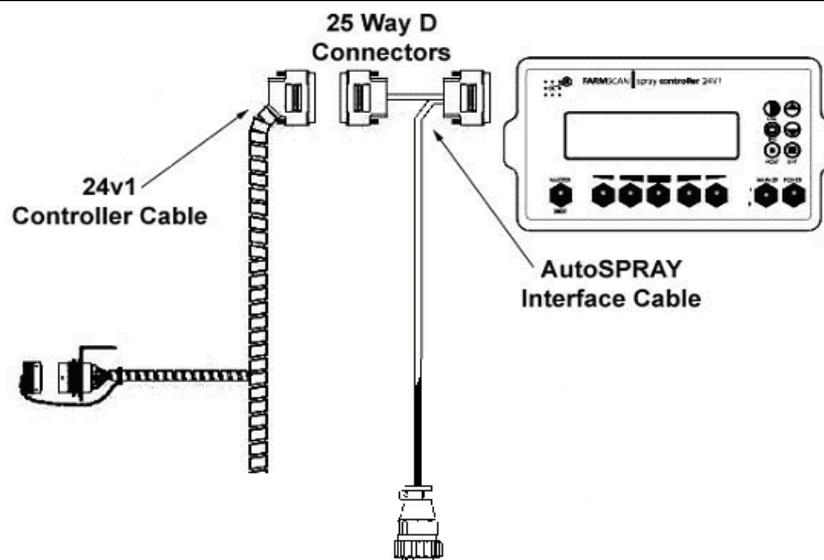


Figure 2: Schematic layout of typical AutoSPRAY installation



It is recommended that all electrical wiring should be installed by a qualified auto-electrician. Incorrect wiring may damage the AutoSPRAY controller and/ or the spray rate controller.

The installation and configuration of the RINEX AutoSPRAY controller is detailed in the appropriate User Manual.

Step	Instruction
1.	Check that the spray controller and boom section switches are functioning correctly before commencing the installation.
2.	Locate the 25 pin rectangular connector on the back of the Farmscan spray rate controller. Remove this connector from the controller by unscrewing the retaining screws.
3.	Connect the mating 25 pin plug from the Farmscan 24v1 AutoSPRAY interface cable to the Farmscan 24v1 controller
4.	Connect the main Farmscan 24v1 controller cable connector, removed in Step1, to the mating 25 pin connector on the Farmscan 24v1 AutoSPRAY cable, as illustrated in Figure 2. Ensure that all retaining screws are firmly fastened, however excessive force should not be applied.
5.	Confirm that the spray controller and boom section switches function correctly before connecting the cable to the RINEX AutoSPRAY controller. Check that all section switches function correctly and the controller still displays the correct flow rate.
6.	Connect the 16 pin circular AMP connector on the other end of the 1-2800 Farmscan 24V1 AutoSPRAY cable to the RINEX AutoSPRAY controller.
7.	Confirm that the spray controller and boom section switches function correctly.

Note: If the RINEX AutoSPRAY controller is not connected directly to a 12Vdc source (vehicle power), then it is necessary to connect the AutoSPRAY cable to the vehicle power supply for correct operation of the system. Refer to APPENDIX A for connecting to vehicle power.

APPENDIX A CONNECTING POWER



Power for the AutoSPRAY Controller /cable must be a clean 12Vdc source. Connecting the AutoSPRAY controller to 24Vdc will cause damage to the controller. If connecting to a 24Vdc vehicle, 12Vdc power must be connected to the same power source the spray rate controller is using.

Step	Instruction
1.	Connect the RED wire, labelled POWER to a 12Vdc power source that is controlled with the vehicle ignition wiring (power with the vehicle is ON). Then connect the BLACK wire, labelled GROUND to a ground point on the vehicle.