



ProAxis-TruAg Standard 4-F Wireless Receiver & Remote Users Manual

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Safety Summary

The following general safety precautions must be observed during all phases of operation, service, and repair of this scale. Failure to comply with these precautions or with specific warnings elsewhere in this manual violates safety standards of design, manufacture, and intended use of the scale. Intercomp assumes no liability for the customer's failure to comply with these requirements. **DO NOT SUBSTITUTE PARTS OR MODIFY SCALE**

Because of the danger of introducing hazards, do not substitute parts or perform any unauthorized modifications of the scale.

Notice

All rights reserved. The information contained in this publication is derived in part from proprietary and patent data of the Intercomp Corporation. This information has been prepared for the express purpose of assisting operating and maintenance personnel in the efficient use of the instrument described herein. Publication of this information does not convey any rights to use or reproduce it or to use it for any purpose other than in connection with the installation, operation, and maintenance of the equipment described herein. While every precaution has been taken in the preparation of this manual, Intercomp Corporation assumes no responsibility for damages resulting from the use of the information contained herein. All instructions and diagrams have been checked for accuracy and ease of application; however, success and safety in working with tools depend largely upon the individual accuracy, skill, and caution. For this reason Intercomp Company is not able to guarantee the result of any procedure contained herein. Nor can they assume responsibility for any damage to property or injury to persons occasioned from the procedures. Persons engaging the procedures do so entirely at their own risk.

Warranty

INTERCOMP CORPORATION (hereafter called "the company") warrants the products which this document accompanies to be free of defects in materials and workmanship, and to operate according to design specifications for a period of one (1) year after receipt by the original purchaser. After authorized return to the company at the purchaser's expense, the company shall evaluate any returned equipment under warranty claim, and shall make such repairs or replacements as may be judged necessary, in as expeditious a manner as possible.

IN THE EVENT that the company determines the claim to be made as a result of improper use, abuse, modification, shipping damage, or other factors beyond the reasonable control of the company, the company will advise the purchaser of the estimated repair costs. The company makes no warranty other than that contained in this statement. No agent other than an executive officer of Intercomp Corporation is empowered to modify in any manner this statement of warranty.

Introduction

The ProAxis TruAg 4-F wireless receiver package is designed for installation and use on the ProAxis-TruAg Defender Series Seed Tender models. When the seed tender is equipped with the 4-F wireless receiver package it controls the equipment auger functions to FOLD/UNFOLD the Auger, and unload functions to operate the auger FWD (FORWARD), or REV (REVERSE) to clean out the auger. The base unit/receiver is designed with (4)-momentary outputs and wired for connection to the TruAg electric/hydraulic solenoids, optional seed treater equipment, and 12VDC power source (ie. Toggle Switch). When programmed with the (8)-button transmitter/remote, will operate the (4)-momentary functions, FOLD, UNFOLD, FORWARD, and REVERSE.

Standard 4-F Wireless Receiver Package (# 137081)



Includes:

Base Unit/Receiver with four (4)-momentary outputs (FOLD, UNFOLD, FORWARD, and REVERSE) and wiring harness.

Eight (8) Button remote/transmitter with protective rubber boot, belt clip, and lanyard.

Remote/Transmitter Controls

All remotes/transmitters are un-programmed and must be matched to interface with the base unit/receiver prior to operation.

See **Figure 1** for the standard (8) button transmitter, including the standard keypad/button configuration, a protective rubber boot, belt clip, and lanyard.



Figure 1

Figure 2

Figure 2 shows operating function labels applied to the corresponding key/button numbers as listed below for the initial standard 4-F wireless transmitter/remote:

AUGER CONTROLS:

REV: Manually operates the auger in REVERSE.

FWD: Manually operates the auger FORWARD.

FOLD: FOLDS the Auger.

UNFOLD: UNFOLDS the Auger.

NOTE: Hidden key numbers (3, 4, 7, & 8) are BLANK and not functional!

Receiver/Base Unit

Figure 3 shows the inside of the 4-function receiver, or base unit, and identifies key components used for programming and verifying communication.

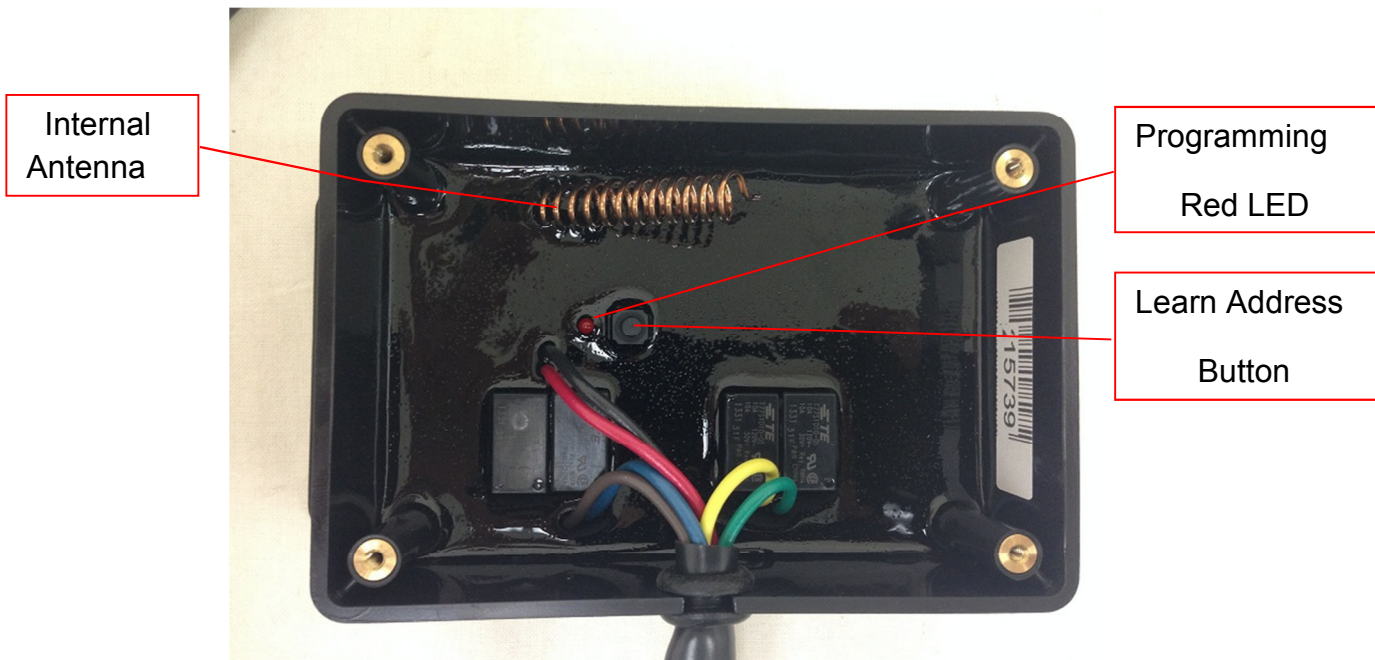


Figure 3

The Standard (4)-Function Wireless Receiver wiring harness color code, corresponding to the function and key/button number, is as follows:

BROWN: FOLD = Button # 1

BLUE: UNFOLD = Button # 2

GREEN: FWD (Forward) = Button # 6

YELLOW: REV (Reverse) = Button # 5

RED: (+ 12VDC Power to Toggle Switch, NOT Included with system)

BLACK: (To -Battery Ground)

Initial Transmitter/Remote to Receiver Set-Up

1. Remove the cover of the receiver/base unit with a Phillips screw driver.
2. Power-up the receiver/base unit with 12VDC power.
3. On the backside of the (8)-Button transmitter/remote depress the “ADD” button using a paperclip (if working properly a blue light in the window will blink).
4. Flip transmitter/remote over and press each button individually (1-through-8) to send address to the receiver/base unit. The blue light will automatically turn off after 18-seconds from the time you first push the buttons. Now the transmitter/remote has acquired a unique address. (Make sure blue light stops blinking before proceeding to 5.)

5. Inside the receiver/base unit, press the black (learn) address button, shown in **Figure 3** photo. The Red LED will begin to flash.
6. While the Red LED is flashing, press and release button #1 (FOLD) on the (8) Button transmitter/remote to save that unique address to the receiver.
7. Wait (approximately 15-seconds) until the Red LED stops flashing.
8. As a test, press each button individually (1-through-8) on the (8) Button transmitter/remote and the Red LED (inside the receiver/base unit) should light up each time a button is pressed when programmed correctly.
9. Reinstall the receiver/base unit top cover and tighten the (4)-screws with a small Phillips screwdriver. The wireless control system is now ready for use.

Additional Transmitter/Remote to Existing Receiver Set-Up

1. Remove the cover of the receiver/base unit with a Phillips head screw driver.
2. Power-up the receiver/base unit with 12VDC power.
3. Inside the receiver/base unit enclosure, press and release the black (learn) address button, shown in **Figure 3** photo. The Red LED will begin to flash.
4. While the Red LED is flashing, press and release button #1 (FOLD) on the (8) Button transmitter/remote.
5. Wait (approximately 15-seconds) until the RED LED stops flashing.
6. As a test, press each button individually (1-through-8) on the (8)-button transmitter/remote and the Red LED (inside the receiver/base unit) should light up each time a button is pressed when programmed correctly.
7. Reinstall the receiver/base unit cover with the (4)-screws and tighten with a small Phillips screwdriver. The wireless control system is now ready for use.

Battery Replacement

The (8) Button transmitter/remote uses a standard CR2032 lithium button cell battery. In normal use it will provide 1 to 2 years of operation.

1. To replace the battery, remove the rubber boot and gently pry apart the 2 halves of the transmitter/remote with a small straight edge screwdriver.
2. Remove the battery by sliding it out from underneath the retainer. Observe the battery polarity when replacing the battery.
3. Carefully reassemble the 2-halves of the transmitter/remote and reinstall the protective rubber boot.

Other Considerations

1. Only one transmitter can be activated at a given time within a reception area.
2. Only one carrier of a particular frequency may occupy the same airspace at a given time.

NOTE: This means that if two transmitters are activated in the same area at the same time the signals will interfere and the decoder on the receiver will not see a valid transmission and will not function.

3. When installing the power supply to the receiver/base unit, we recommend a latching type switch, such as a toggle, or ignition, switch in the On/Accessory position, be used in-line with the power supply versus direct power from a 12VDC battery.

NOTE: This prevents accidental activation if the transmitter buttons are pressed and any current draw on the main battery when the system is not in use.

TROUBLE SHOOTING

Following these steps:

1. Make sure 12VDC power is supplied to the receiver/base unit. Check all power supply connections from the battery to the switch and from the switch to the receiver/base unit. Also, verify you have a good GROUND. (NOTE: We recommend routing the receiver/base unit (Black) Ground wire directly to the (-) Negative battery terminal for a good ground. Chassis ground connections are affected by paint or rust and corrosion.)
2. With the receiver/base unit powered up, make sure the Red LED lights up when any buttons are pressed on the transmitter. If the Red LED does not come on, the receiver is not getting a signal from the transmitter/remote and may need to be programmed, or replace the battery. If the battery in the transmitter is more than 2 years old check battery voltage with a meter, or replace battery.
3. After completing the previous steps and the unit still will not function, follow and complete the, **'Set-up of (8)-Button Transmitter/Remote to Receiver Address'**, procedure to readdress the transmitter/remote to the receiver/base unit.
4. If the unit still will not operate. Check connections to the component that the unit is trying to activate using a voltmeter.

How to Contact Intercomp Service

Things to know and inform Intercomp's Service Department:

- The product is a Standard 4-Function wireless control system with remote.
- Supply serial number of system and/or components.
- When was the system purchased?
- Where was the system purchased?

For Intercomp Service call or fax:

FAX #: (763)-476-2613

PHONE: (763)-476-2531

TOLL FREE: 1-800-328-3336

or fill out Service Support Form at :

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