



Operators & Installation Manual



Disclaimer

LIMITED WARRANTY

This product is warranted against defects for one (1) year from date of purchase. Within this period TIME TRONICS INC. will repair or replace the product without charge, provided the product is returned to TIME TRONICS INC. prepaid. Warranty does not cover freight or transportation charges, nor does it cover misuse or damage to the product. Except as provided herein, TIME TRONICS INC. makes no warranties, express or implied, including warranties of merchantability and fitness for a particular purpose. We reserve the right to make improvements, and additions in the design of the product without notification.

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The
Communicator



The Communicator is a wireless communicating device that makes it easy to direct truck or tractor drivers into position for efficient non-spill loading on the go.

Placed in the harvester cab, beside your other controls, the transmitter works off a small finger operated joystick, which the harvester operator



uses to guide the driver. Activating the joystick



sends a signal to the receiver which then turns on LED's indicating directional arrows corresponding to the joystick direction. In addition to the directional arrows, there's also a stop and go function.

All the signals are accompanied by a unique beep sequence for audio alertness.

After mounting the transmitter it can be programmed so that the joystick's forward activation is correct for direction of travel.

Mounting the Transmitter



Mount the transmitter at a convenient location so as to give the operator easy access to the joystick and switches. Plug the power cable into a 12vdc lighter adapter. If no lighter adapter is available cut the adapter off and connect directly to a 12vdc power source. The RED wire is positive(+) and the BLACK wire is ground(-).



Mounting the Antenna



Connect the antenna cable and route the cable safely to a spot on the window where it would be in the best line of site with the truck or tractor. Remove the sticker from the antenna and attach it to a clean spot on the window.

Programming the Mounting Direction



To program the mounting direction, press and hold the JOYSTICK in the forward direction of travel while turning on the power switch. Hold the JOYSTICK until the LED changes the blink sequence. (Approximately 3 seconds). The transmitter will automatically store this direction as the forward position. All other joystick directions will be adjusted automatically.

Turn the power off and then on again without pressing any buttons for normal operation.

Testing the Receiver LEDs

Press the CHANNEL button on the receiver within 1 second of turning on the power. The receiver



will sequence through the different display symbols such as channel numbers, directional arrows, etc.



Programming the Channel



Each transmitter needs to be programmed to 1 of the 19 channels before using. The default channel is 1 from the factory. Program each transmitter to a different channel in a multi-transmitter environment. To program the channel of a transmitter, turn on and watch a receiver for indication of the correct channel.

- 1) Press and hold the GREEN button while turning on the power.
- 2) Hold the GREEN button until LED starts to blink. (Approximate. 3 seconds)
- 3) Release the GREEN button.
- 4) Press the RED button to transmit the current channel of the transmitter. (Observe the channel on the receiver.)



- 5) Activate the JOYSTICK switch to change to the next channel. Activate the JOYSTICK only once for each channel change. Each subsequent activation of the JOYSTICK will change to the next channel. Activating and HOLDING the JOYSTICK will change to the next channel, and continuously transmit that channel. Releasing the joystick will stop the transmission. To retransmit see # 4.

- 8) Press the GREEN button to store the channel.
- 9) LED changes blink sequence to indicate the channel is stored.
- 10) Turn the power off and then on again without pressing any buttons for normal operation.

Mounting the Receiver



Mount the receiver at a convenient location so as to give the operator a good view. Plug the power cable into a 12vdc lighter adapter. If no lighter adapter is available cut the adapter off and connect directly to a 12vdc power source. The RED wire is positive(+) and the BLACK wire is ground(-).



Mounting the Antenna



Connect the antenna cable and route the cable safely to a spot on the window where it would be in the best line of site with the harvester. Remove the sticker from the antenna and attach it to a clean spot on the window.

Operating the Receiver



Changing Channels

- 1) Press the CHANNEL button.
- 2) The display shows the channel of the receiver for approximately 3 seconds.
- 3) Turn the channel button up or down to change channels.
- 4) The channel can only be changed while it is displayed.
- 5) The receiver automatically stores the new channel after the display goes blank.

Operational Symbols



Forward



Left



**Go =
Rotating Line**



Back



Right



Stop

The Communicator



Use the Communicator for combine harvesting



Use the Communicator for silage harvesting

FCC Warning

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of the manufacturer could void the user's authority to operate this equipment.

Industry Canada Compliance Statement

ICES-003 This Class B Digital apparatus complies with Canadian ICES-003

“Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.”

“To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication”.