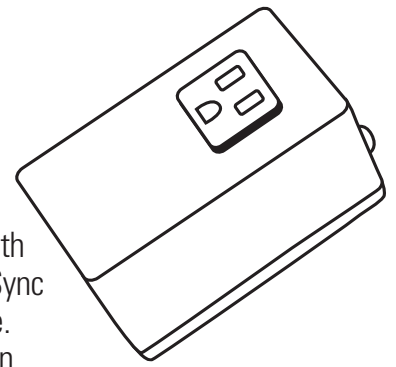


INSTRUCTION MANUAL FOR MODEL D5252 WIRELESS TOOLS SYNC RECEIVER MODULES



INTRODUCTION:

Model D5252 Wireless ToolSync W Receiver modules are meant to be used in conjunction with ToolSync transmitter modules. When the ToolSync transmitter module is activated, the ToolSync W Receiver will allow current to pass through and activate the tool connected to the module. The most common tool will be an existing vacuum system without ToolSync capability built in.

SAVE THESE INSTRUCTIONS

***GENERAL SAFETY RULES AND WARNING:

Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire, property damage and/or serious personal injury.

*****WARNING:** Do not use any TOOLS SYNC product to control any device where unexpected or unattended turn on/off could cause serious personal injury and/or property damage. Interference, interruptions, or surges in the electrical system, or malfunction may cause unexpected turn on/off of plugged in devices.

*****WARNING:** Do not use any TOOLS SYNC product to control any device where failure to operate could cause serious personal injury and/or property damage. Interference, interruptions or surges in the electrical system, or malfunction may cause plugged in devices to fail to operate as expected.

*****WARNING:** Do not use any TOOLS SYNC product to control any medical device. Using any TOOLS SYNC product to control any type of medical device could result in serious personal injury.

*****WARNING:** Do not use any TOOLS SYNC product to control any device that exceeds the rating for that TOOLS SYNC product. Using a TOOLS SYNC product to control a device that exceeds the rating for that product could result in serious personal injury and/or property damage. The ratings for TOOLS SYNC products are as follows:

Model D5252 - 120V 12A

Model D5252-240 240V 12A

If the TOOLS SYNC product you intend to use is not listed here, consult the instruction manual for that TOOLS SYNC product or call 1-800-568-3949 to determine the applicable

rating before plugging in or using that TOOLS SYNC product.

*****WARNING:** To reduce the risk of electric shock or fire, do not expose any TOOLS SYNC product to rain or moisture. If a TOOLS SYNC product is exposed to rain or moisture, immediately disconnect the TOOLS SYNC product from the AC outlet to reduce the risk of electric shock or fire and consult authorized service personnel.

*****WARNING:** To reduce the risk of electric shock, do not disassemble any TOOLS SYNC product. No user-serviceable parts are inside.

*****WARNING:** To reduce the risk of electric shock, do not use any type of plug adaptor with this product.

*****WARNING:** If unintended operation of any TOOLS SYNC product is observed, unplug all TOOLS SYNC products immediately until (1) the source of the interference is identified and eliminated. If you cannot identify the source of interference by talking with others who are using a TOOLS SYNC system, or if you have any questions about identifying or eliminating interference, please call 1-800-ZZZ-YYYY before plugging in or using any TOOLS SYNC product. Remember to exercise good common sense when using your TOOLS SYNC system. Especially when attaching unattended devices to the system. There can be unexpected consequences if TOOLS SYNC products are not used with care. For example, machine can be remotely turned on due to unintended operation or interference from a neighboring untrained TOOLS SYNC system. If that should happen, your machine could be damaged from overheating, which in turn could cause a fire or create a risk of electrical shock. As another example, if a machine is turned on

unexpectedly while not adequately ventilated, a fire could result. Accordingly, DO NOT USE the TOOLS SYNC system for the control of medical devices, heating appliances, such as portable heaters, or any other appliance or device that could cause physical injury or property damage if turned on or off while unattended. Similarly, DO NOT USE the TOOLS SYNC system for the control of any appliance or device that could cause physical injury or property damage if it fails to operate as expected. Interference, interruptions or surges in the electrical system, or malfunction may cause plugged in appliances or devices to fail to operate as expected. For these reasons, it is important to read, understand and follow all instructions in this manual, and to consider carefully the potential consequences of unattended or unexpected operation, or failure to operate, of an appliance or device before you attach it to a TOOLS SYNC system.

*****WARNING:** To reduce the risk of electric shock, do not use any type of plug adaptor with this product.

*****WARNING:** To reduce the risk of electric shock, this equipment has a grounding type plug, that has a third (grounding) pin. This plug will only fit into a grounding type outlet. If the plug does not fit into the outlet, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

Dustless[®]
TECHNOLOGIES
800.568.3949
1285 East 650 South
Price, Utah 84501
dustlesstechnologies.com

FC **NOTE:** 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 instruction. Many 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.

CAUTION: Any changes or modification not expressly approved by Dustless Technologies, Inc. could void the user authorization to operate this equipment.

INSTRUCTIONS:

Plug the Wireless ToolSync W Receiver module into a wall outlet with the proper rating. Plug the tool you would like to activate into the outlet on the ToolSync W Receiver module. If more than one transmitter module is part of the system, see the training instructions below.

Wireless Remote Start Operation:

There are several types of wireless start modules available. The pneumatic wireless start module (ToolSync A) is plugged inline with the air hose supplying air to a tool. When air flows, a wireless signal is transmitted to the vacuum to signal it to turn on. When the air flow stops, the vacuum is signaled to turn off after about a 6 second delay. The Electric wireless start module (ToolSync E) works in the same way as the ToolSync A module except it plugs into a power outlet and measures current flow to signal the vacuum to operate. There is also a hand-held remote transmitter that will alternately activate and deactivate the receiver module. All remote start modules have a red blinking light that signals the unit is transmitting.

Note for ToolSync E electric wireless start modules:

When using large amperage devices and the ToolSync E modules, it is important to plug the tool into a different circuit than that of the vacuum to avoid tripping a circuit breaker.

Note for ToolSync A Pneumatic wireless start modules:

The ToolSync A module can send false signals if excessively jarred. It is best to mount the module on a wall or onto the hard lines. All ToolSync A modules are shipped without air fittings. The fittings on the module are a 3/8" FNPT tapered. Any fitting desired can be attached with pressures up to 150 psi. The ToolSync A module requires 2 AAA batteries. The module is shipped with these batteries installed and should last many months with normal use. When the transmit light stops

blinking when air is flowing, remove the 4 screws on the module case to open the unit and replace the batteries.

Multiple wireless start modules:

The first time the ToolSync W module receives a wireless signal, it will automatically recognize that and only that device that send the signal. Each ToolSync W has the ability to learn to operate on a specific set of wireless start modules (up to 16). For a ToolSync W to recognize multiple wireless start modules, the following training procedure must be followed. The training/reset button is found on the face of the ToolSync W module and must be depressed as instructed below.

Wireless training procedure:

1. Plug the ToolSync W module into the wall.
2. Press the training/reset button until a small detent is felt. Hold the switch in the depressed position for the next step.
3. Send a wireless signal to the unit from a remote ToolSync device.
4. Once the vacuum turns on, it is permanently trained to that device.
5. As long as the button is pressed, up to 16 devices can be associated with the vacuum. Release button when training is completed

The ToolSync W module can also be reset back to factory defaults by executing the following reset procedure. In factory default mode, the module does not recognize any wireless start modules. The first time the module receives a wireless signal, it will automatically recognize that and only that device.

Wireless reset procedure:

1. Without plugging the device in, press in the reset/training button until a small detent is felt.
2. While still pressing in on the reset button, plug the module into the wall.
3. The unit will now be in the factory shipped state with no trained devices, all previously recognized devices will need to be retrained according to the above training procedure.

One Wireless Start module controlling multiple ToolSync W receiver modules:

It is possible for one wireless start module to control multiple ToolSync W modules. To do this, reset both ToolSync W modules, activate the remote start module so it starts transmitting, then turn the ToolSync W modules on. They will be trained to the first wireless signal received. If this condition is not desired, reset both modules and train them to individual wireless start modules.

Multiple ToolSync W Receiver and Multiple Wireless Start Modules:

It is possible for each ToolSync W module to recognize 16 unique Start modules. This can be achieved by systematically training one ToolSync W receiver with associated wireless start modules, then moving on to the next ToolSync W Receiver. Care must be taken when training multiple ToolSync W Receivers to ensure that only one Receiver is being trained at a time along with only one wireless start module being activated at a time.

TOOLSUNC TROUBLE SHOOTING GUIDE

Problem	Possible Cause	Possible Solution
Machine connected to ToolSync W will not start when the wireless toolmodule starts	Tool draws too little current	Make contract with work surface to draw more current to get remote start module to transmit.
Wireless module will not activate ToolSync W Receiver	Wireless Start module has not been trained for this ToolSync W	Go through training procedure
Wireless module lights are not blinking when tool activates	Tool drawing too little current Drawing plenty of current but still not transmitting	Make contract with work surface to draw more current Try another tool, if unsuccessful contact customer support