

**WARNINGS AND CAUTIONS:**

- **TO AVOID FIRE, SHOCK, OR DEATH: TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring or servicing fixture!
- **TO AVOID FIRE, SHOCK, OR DEATH:** this control is to be used with ceiling fans that are rated 120VAC, total load 1.5 Amperes maximum.
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult an electrician.
- Use this device **with copper or copper clad wire only.**
- The Decora® DDF01 fan speed control is not compatible with standard 3-way or 4-way switches. It must be used with a Decora Digital remote for multi-location control, such as the DD00R-DL.
- Maximum wire length from fan speed control to all installed remotes cannot exceed 300 ft.

**WARNINGS AND CAUTIONS:**

- For use on ceiling paddle fans with split-capacitor or shaded pole motors only. Please refer to manufacturer's instructions or rating label on the motor to confirm type. Use with any other types of motors or equipment may cause overheating and/or damage to the motors or equipment.
- Use only one (1) Fan Speed Control per load. The switch(es) will turn ON the fan at the speed level selected at the control.
- To avoid overheating and possible damage to this device and other equipment, DO NOT install to control a receptacle, fluorescent lighting, a motor or a transformer-operated appliance other than appropriate ceiling fans.

**INTRODUCTION**

The next generation of fan speed control technology is here with the new Decora Digital fan speed control with Bluetooth® technology. This innovative device works using the Leviton Decora Digital Dimmer & Timer app that can be easily downloaded to smartphones or tablets and paired to the Leviton Fan Speed Control using Bluetooth® technology. Decora Digital devices give users point-to-point local control to automate lighting and fan speed control, bridging the gap between standard dimmers, fan speed controls and whole-house automation systems.

The Decora Digital fan speed control is a powerful device – combining the best of Leviton fan speed functions with today's mobile technology for impressive results. The simple touch of a finger following the intuitive on-screen guide makes it more convenient than ever to manage fan speed.

Use of the app allows greater flexibility for accurate fan speed functionality and makes pushing buttons for timed events a tedious chore of the past.

The Leviton Decora Digital Dimmer & Timer app can be easily downloaded to mobile devices and is compatible with Android and iOS smartphones or tablets. The app is easy to use with simple, intuitive on-screen menu options to independently control dimmers and switches throughout the home.

Decora Digital devices are ideal for living rooms, bedrooms, kitchens, dining rooms, home offices or anywhere full control of fan speed is desired.

**Compatibility:**

Requires device with Bluetooth® 4.0 (BT LE) or later and iOS 6.0 and later. Compatible with iPhone, iPad, and iPod touch or Android 4.0 and later.

**FEATURES**

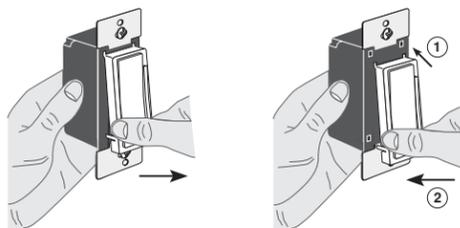
- ON/OFF LED and fan speed level LED
- Three way communication
- Ease of installation – No new wiring

**TOOLS NEEDED FOR YOUR FAN SPEED CONTROL**

- Slotted/Phillips Screwdriver
- Electrical Tape
- Pliers
- Pencil
- Cutters
- Ruler

**Changing the color of your Fan Speed Control:**

Your device may include color options. To change color of the face proceed as follows:



Push in sides at bottom tabs and pull outward to release

Insert top tabs and press in bottom tabs to attach

**INSTALLING FAN SPEED CONTROL BY ITSELF OR WITH OTHER DEVICES**

If installing the Fan Speed Control in a single device application, proceed with the **INSTALLING YOUR FAN SPEED CONTROL** section. If installing Fan Speed Control in a multi-device application, proceed as follows:

**MULTI-DEVICE APPLICATION**

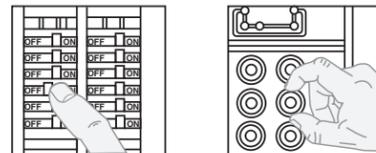
In multi-fan speed control installations, there is no derating necessary. Refer to the chart for maximum load per fan speed control.

MAXIMUM LOAD PER FAN SPEED CONTROL FOR MULTI-DEVICE			
Cat. No.	Single	Two Devices	More than 2 Devices
DDF01	1.5A	1.5A	1.5A

**INSTALLING YOUR FAN SPEED CONTROL**

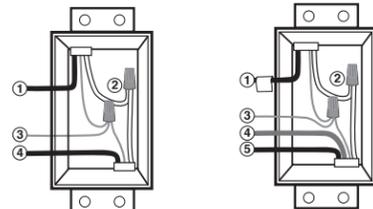
**NOTE:** Use check boxes  when Steps are completed.

**Step 1** **WARNING: TO AVOID FIRE SHOCK OR DEATH; TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring!



**Step 2** **Identifying your wiring application (most common):**

**NOTE:** If the wiring in your wall box does not resemble any of these configurations, consult an electrician.



**Single Pole**

1. Line (Hot)
2. Neutral
3. Ground
4. Load

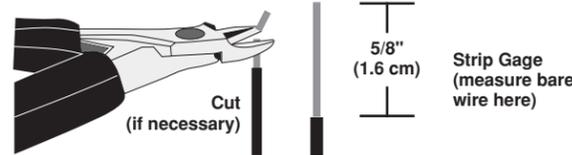
**3-Way**

1. Line or Load (see important instruction)
2. Neutral
3. Ground
4. First Traveler – note color
5. Second Traveler – note color

**IMPORTANT:** For 3-Way applications, note that one of the screw terminals from the old switch being removed will usually be a different color (Black) or labeled Common. Tag that wire with electrical tape and identify as the common (Line or Load) in both the fan speed control wall box and remote wall box.

**Step 3** **Preparing and connecting wires:**

Pull off pre-cut insulation from fan speed control leads. Make sure that the ends of the wires from the wall box are **straight (cut if necessary)**. Remove insulation from each wire in the wall box as shown:

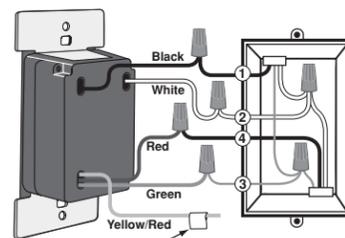


- Pull off pre-cut insulation from fan speed control leads.
- Make sure that the ends of the wires from the wall box are **straight (cut if necessary)**.
- Remove insulation from each wire in the wall box as shown.
- **For Single-Pole Application, go to Step 4a.**
- **For 3-Way Matching Remote (w/LEDs) Application, go to Step 4b.**

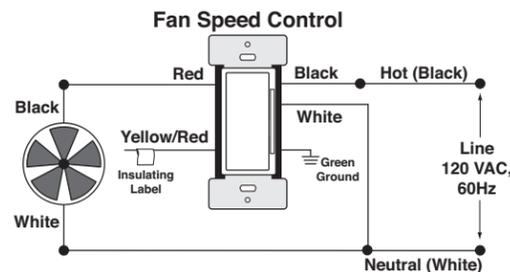
**For non-standard wiring applications, refer to Wire Connector and Conductor Size Chart**

WIRE CONNECTOR / # OF COND. COMBINATION CHART	
1 - #12 w/ 1	to 3 #14, #16 or #18
2 - #12 w/ 1	or 2 #16 or #18
1 - #14 w/ 1	to 4 #16 or #18
2 - #14 w/ 1	to 3 #16 or #18

**Step 4a** **Single Pole Wiring Application:**



**Insulating label:** This wire is used in 3-way installations only. For single pole installations, do not remove insulating label.

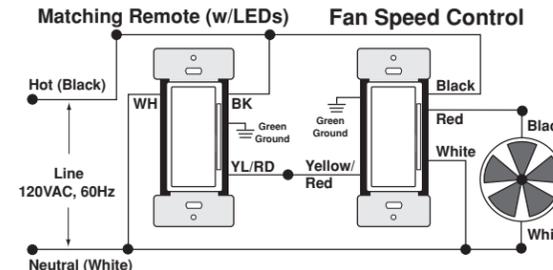
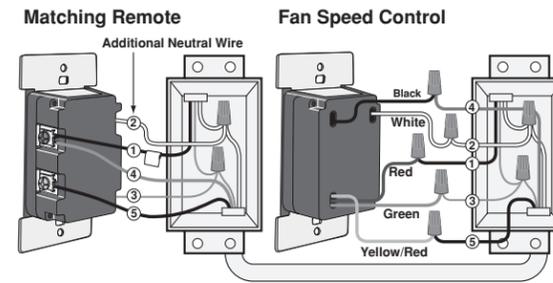


**WIRING FAN SPEED CONTROL:**

**Connect wires per WIRING DIAGRAM as follows:**

- NOTE:** The DDF01 Fan Speed Control requires a neutral wire connection.
- Green or bare copper wire in wall box to Green fan speed control lead.
  - Line Hot wall box wire to Black fan speed control lead.
  - Load wall box wire to Red fan speed control lead.
  - Line Neutral wall box wire to White fan speed control lead.
  - Yellow/Red fan speed control lead should have Red insulation label affixed.
- NOTE:** If insulating label is not affixed to Yellow/Red fan speed control lead, use electrical tape to cover.
- **Proceed to Step 5.**

**Step 4b** **3-Way Wiring with DD00R Matching Remote (w/LEDs) Application:**



**WIRING MATCHING REMOTE (wall box with line hot connection):**

**Connect wires per WIRING DIAGRAM as follows:**

**NOTE:** The matching remote must be installed in a wall box with a Line Hot connection and a Neutral connection. A Neutral wire to the matching remote needs to be added as shown.

**NOTE:** Maximum wire length from fan speed control to all installed remotes cannot exceed 300 ft (90 m).

- Green or bare copper wire in wall box to Green terminal screw.
- Line Hot (common) wall box wire identified (tagged) when removing old switch and First Traveler to Remote terminal marked "BK".
- Second Traveler wall box wire from fan speed control to remote terminal screw marked "YL/RD" (**note wire color**). This traveler from the remote must go to Yellow/Red fan speed control lead.
- Line Neutral wall box to remote terminal screw marked "WH".

**WIRING FAN SPEED CONTROL (wall box with load connection):**

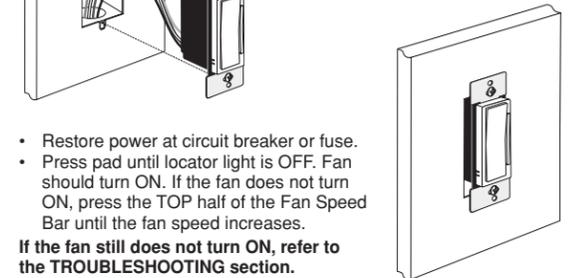
**Connect wires per WIRING DIAGRAM as follows:**

**NOTE:** The DDF01 fan speed control **must** be installed in a wall box that has a Load connection and a Neutral connection.

- Green or bare copper wire in wall box to Green fan speed control lead.
- Load wall box wire identified (tagged) when removing old switch to Red fan speed control lead.
- First Traveler Line Hot to Black fan speed control lead.
- Remove Red insulating label from Yellow/Red fan speed control lead.
- Second Traveler wall box wire (**note color as above**) to Yellow/Red fan speed control lead. This traveler from the fan speed control must go to the terminal screw on the remote marked "YL/RD".
- Line neutral wall box wire to White fan speed control lead.
- **Proceed to Step 5.**

**Step 5** **Testing your Fan Speed Control prior to mounting in wall box:**

- Position all wires to provide room in outlet wall box for device.
  - Ensure that the word "TOP" is facing up on device strap.
  - Partially screw in mounting screws in wall box mounting holes.
- NOTE:** Dress wires with a bend as shown in diagram in order to relieve stress when mounting device.

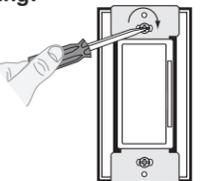


- Restore power at circuit breaker or fuse.
- Press pad until locator light is OFF. Fan should turn ON. If the fan does not turn ON, press the TOP half of the Fan Speed Bar until the fan speed increases.

**If the fan still does not turn ON, refer to the TROUBLESHOOTING section.**

**Step 6** **Fan Speed Control Mounting: TURN OFF POWER AT CIRCUIT BREAKER OR FUSE.**

Installation may now be completed by tightening mounting screws into wall box. Attach wallplate.



**Step 7** **Restore Power:**

Restore power at circuit breaker or fuse. **Installation is complete.**

**NOTE:** To pair your fan speed control with your mobile device, download the Leviton Decora Digital Dimmer and Timer app from the Google Play Store or your iTunes account. Contact Leviton's Techline at 1-800-824-3005 or visit Leviton's website at www.leviton.com for additional information.

**OPERATION**

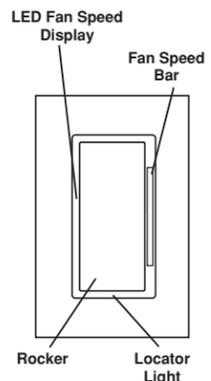
**NOTE:** The locator light will illuminate when the load is in the OFF position to facilitate access in the dark.

**NOTE:** If using the fan speed control in a 3-way application, the fan will turn ON at the speed set on fan speed control bar. The fan can be controlled from either the fan speed control, the remote location or the mobile device app.

**Rocker (Default settings)**

**Turn ON from OFF position:** Tap TOP of Rocker. Fan turns ON to preset level.

**Turn OFF from ON position:** Tap BOTTOM of Rocker. Fan turns OFF.



### Fan Speed Bar

#### INCREASE:

Press the TOP half of the Fan Speed Bar – Fan speed increases to desired level.

#### DECREASE:

Press the BOTTOM half of the Fan Speed Bar – Fan speed decreases to desired level. If you continue to hold, the fan speed level decreases to the minimum level and then turns OFF.

**NOTE:** When the fan is OFF you can change the fan speed level that the fan will turn ON to using the Fan Speed Bar. If there is a power outage, when the power is restored, the fan speed will return to the last setting before the power interruption.

**Air-Gap Switch:** On the fan speed control only, engage the air-gap switch by gently pulling out from the bottom of the Fan Speed Bar until the bottom of the bar lifts completely out of the frame and a click is heard (**refer to Figure**). LED's will turn OFF. This will stop power to the fixture. After servicing is complete, press the Fan Speed Bar back into place for normal operation.



**Cleaning:** Clean with a damp cloth.  
**DO NOT** use chemical cleaners.

## ADVANCED PROGRAMMING FEATURES

### Definition of A Modes

**A-1) Maximum Fan Speed:** Sets the maximum fan speed level.

**A-2) Minimum Fan Speed:** Sets the minimum fan speed level.

**A-3) Preset ON Level:** Sets the turn on fan speed level regardless of the previous set fan speed level.

### Definition of B Modes

**B-1) LED Options:** Sets the time period in seconds the Locator LED and Fan Speed display will stay on before extinguishing.

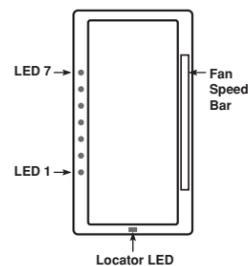
### Definition of LEDs

Bottom LED = LED 1

Top LED = LED 7

#### NOTES:

- The device will exit programming mode after 3 minutes of inactivity.
- Pressing the TOP of the Rocker at any time during programming will advance the device to the next programming mode.



### Program Mode A

#### To enter Program Mode A:

Press and hold the TOP of the Rocker and the TOP of the Fan Speed Bar simultaneously for 5 seconds until the Locator LED begins to blink.

**A-1) Maximum Fan Speed Level:** The Locator LED will blink 1 time per second to indicate the device is in Program Mode **A-1, Maximum Fan Speed Level**. The default mode is 100% i.e. full fan speed. To change the fan speed level, use the Fan Speed Bar to move the corresponding LED to the desired discreet preset level according to the **Maximum Fan Speed Chart**. By tapping the TOP of the Rocker this setting will automatically be saved and the device will advance to the next Programming Mode, **A-2, Minimum Fan Speed Level**.

MAXIMUM FAN SPEED CHART	
When indicator is at LED #	Fan speed is at
7	Max
5	High
3	Medium
1	Low

**A-2)** The Locator LED will blink 2 times per second to indicate the device is in Program Mode **A-2, Minimum Fan Speed Level**. The default Minimum fan Speed Level is LED 2. To change the **Minimum Fan Speed Level** from 1-50%, use the Fan Speed Bar. The fan speed will reflect the minimum fan speed level selected. By tapping the TOP of the Rocker this setting will automatically be saved and the device will advance to the next programming mode, **A-3, Preset ON Level**.

**A-3)** The Locator LED will blink 3 times per second to indicate Program Mode **A-3, Preset ON Level**. To change the current **Preset ON Level** from 1-100%, use the Fan Speed Bar. If this feature is not desired, press and hold the BOTTOM half of the Fan Speed Bar until no LED is lit (default setting). By tapping the TOP of the Rocker this setting will automatically be saved and the device will exit Programming Mode **A**.

### Program Mode B

#### To enter Program Mode B:

Press and hold the TOP of the Rocker and then the BOTTOM of the Fan Speed Bar for 5 seconds until the Locator LED and the TOP LED (LED 7) begin to blink.

**B-1)** The Locator LED will blink 1 time per second to indicate Program Mode **B-1, LED Options**. To change the **LED Options** settings, use the Fan Speed Bar to move the LED to the desired preset setting according to the **LED Options Chart**. By tapping the Top of the Rocker this setting will automatically be saved and the device will exit Programming Mode **B**.

LED OPTIONS CHART		
LED	Locator LED Timeout	LED Fan Speed Display Options
7	Turns OFF 5 seconds after use	Turns OFF 5 seconds after use
5	Turns OFF 5 seconds after use	Active
3	Active	Turns OFF 5 seconds after use
1	Active	Active

## CONTROLLING YOUR FAN SPEED CONTROL WITH BLUETOOTH®

### Download the Leviton Decora Digital Dimmer & Timer App for your device.

**Android:** Tap the Google Play Store icon on your phone or go to <http://play.google.com> on your computer and follow the instructions to obtain the app.

**iPhone:** Tap the App Store icon on your phone or access the app through your iTunes account on your computer.

Once you have downloaded the app, follow the instructions on the screen to pair your mobile device with your fan speed control. Once your mobile device is paired, use the following options to control your fan speed:

- On - Off:** Turns the fan speed control ON and OFF.
- Schedule:** Creates distinct ON/OFF events based on time and day.
- Sleep Timer:** Sets countdown to turn fan speed control OFF.

### Advanced Settings

#### Device Options

- Hide LED Fan Speed Bar:** Turns LED Fan Speed Bar OFF.
- Hide Status LED:** Turns Status LED OFF.
- DST Offset Hours:** Adjusts the Sunrise/Sunset time in hours.
- DST Offset Minutes:** Adjusts the Sunrise/Sunset time in minutes.

#### Fan Speed Options

- Preset:** Sets the fan speed level at which the fan turns ON.
- Minimum:** Sets a minimum fan speed level.
- Maximum:** Sets a maximum fan speed level.

## TROUBLESHOOTING

### Fan does not turn ON and Locator LED does not turn ON

- Circuit breaker or fuse has tripped.
- Fan is burned out.
- Neutral not wired to Fan Speed Control (White wire).
- Confirm that the device is being supplied from a 120V, 60 Hz AC source ONLY.
- Remote does not operate fan**
  - Ensure that total wire length does not exceed 300 ft.
  - Ensure wiring is correct.

## FACTORY DEFAULT

If your fan speed control is not responding, or you are unable to control it after you have tried to Pair/Connect to it multiple times, it is necessary to reset the fan speed control to its original factory settings. To accomplish this, proceed as follows:

On the fan speed control, hold the TOP of the rocker until the locator LED starts to blink. The fan speed control is now reset. Once the fan speed control is reset, it is necessary to re-pair it with your application.

For additional information, contact Leviton's Techline at 1-800-824-3005 or visit Leviton's website at [www.leviton.com](http://www.leviton.com)

This product is covered by U.S. Patent No. 8,664,886, 9,329,607, 9,398,667 and corresponding foreign patents.

## FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to 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 of the device.

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 the 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.

### FCC CAUTION

Any changes or modifications not expressly approved by Leviton Manufacturing Co., Inc., could void the user's authority to operate the equipment.

## IC COMPLIANCE STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s). 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.

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## FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at **1-800-405-5320**.

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DI-000-DDF01-02A

## LIMITED 5 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for five years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option. **For details visit [www.leviton.com](http://www.leviton.com) or call 1-800-824-3005.** This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. **There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose,** but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to five years. **Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation.** The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.

**ARTWORK PRINT SPECIFICATIONS**



<b>PART NUMBER</b> DI-000-DDF01-02A	<b>REV</b> _____	<b>DESCRIPTION</b> Instruction sheet
<b>SPECIFICATIONS :</b>		
<p>* Thickness: 40 lb. _____</p> <p>* Material: _____</p> <p>* Finish: _____</p> <p>_____ :</p> <p>* For manuals - designates cover specifications</p>	<p>* Color s : <u>1</u> over <u>1</u></p> <p>1: <u>Black</u> <input checked="" type="checkbox"/> Spot</p> <p>2: _____ <input type="checkbox"/> Spot</p> <p>3: _____ <input type="checkbox"/> CMYK</p> <p>4: _____ <input type="checkbox"/> CMYK</p>	<p>* Fonts:</p> <p>1: <u>Helvetica</u></p> <p>2: _____</p> <p>3: _____</p> <p>4: _____</p>
<p><b>Die Line Key:</b> - . . . Perforate</p> <p>— Die Cut - - - - - Fold Line - - - - - Kiss Cut . . . . . Cellophane  Glue</p>		
<b>MANUAL INTERIORS / BINDERY / FOLD SCHEME :</b>		
<p>Body Material: _____</p> <p>Thickness: _____</p> <p>Bindery</p> <p><input type="checkbox"/> Die cut <input checked="" type="checkbox"/> Fold <input type="checkbox"/> Saddle Stitch</p> <p><input type="checkbox"/> Perfect Bind <input type="checkbox"/> Drill <input type="checkbox"/> Trim</p>	<p>Color s : _____ over _____</p> <p>1: _____ <input type="checkbox"/> Spot</p> <p>2: _____ <input type="checkbox"/> Spot</p> <p>3: _____ <input type="checkbox"/> CMYK</p> <p>4: _____ <input type="checkbox"/> CMYK</p>	<p>Fonts:</p> <p>1: _____</p> <p>2: _____</p> <p>3: _____</p> <p>4: _____</p>
<b>PROCESS :</b>	<b>DIMENSIONS / FOLD SCHEME / BINDERY DIAGRAM</b>	
<p><input checked="" type="checkbox"/> Offset <input type="checkbox"/> Flexo</p> <p><input type="checkbox"/> Other _____</p> <p>Line Screen: _____</p> <p>Angle: _____</p> <p>Resolution: _____</p>		
<b>COMMENTS :</b>		
<p>_____</p> <p>_____</p>		
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PN-ARN: RS0276-5050	ECR Number: _____	Pilot Rev: _____
Artist: D. Hunt	Released Artwork Format: Production PDF	Artwork Release Date: 2/14/17
Notes: _____		