



## How to Upgrade - Step by Step Overview for Simple Systems (ZoneZ models)

Steps	Description	Voltage Type	Recommended Tools
<b>Step 1</b>	<b>Take Before Pictures:</b> Take at least one good Before picture of all relay panel areas. Before and After pictures of an upgrade can be submitted for a 3 year extended warranty. See Step 17 for details.	N/A	Camera or Smart phone
<b>Step 2</b>	<b>Manage Incoming Line Voltage Wires:</b> Identify each individual breaker feed. Tag each wire with an identifying label. Turn the breakers OFF.	Line Voltage	Wire cutters Multimeter Label tape
<b>Step 3</b>	<b>Manage Outgoing Line Voltage Wires:</b> Identify and label each line voltage lighting load wire (switch leg) numerically.	Line Voltage	Wire cutters Multimeter Label tape
<b>Step 4</b>	<b>Manage All Low Voltage Common Wires:</b> Identify and label all switch common and pilot common wires. Commons feeding the relay coils will not be used. See Step 10 for commons feeding the switches.	Low Voltage	Wire cutters Multimeter Label tape Tone generator
<b>Step 5</b>	<b>Manage Low Voltage Switch Wires:</b> Identify and numerically label all switch inputs. Switch inputs are the wires going from the relays out to the wall switches.	Low Voltage	Wire cutters Multimeter Label tape Tone generator
<b>Step 6</b>	<b>Manage Low Voltage Pilot Wires:</b> Identify and numerically label pilot indicator wires. Pilot indicators are the wires going from the pilot transformers out to the lighted wall switches.	Low Voltage	Wire cutters Multimeter Label tape Tone generator Mini Touch-Plate screwdriver Standard screwdriver
<b>Step 7</b>	<b>Replace Existing Lighted Wall Switches:</b> If you have not already done so, replace any/all existing master switches (those with lighted buttons) to a newer switch that uses LEDs. If desired, you can wait to do this until Step 12.	Low Voltage	Screwdriver Mini Touch-Plate screwdriver Wire strippers
<b>Step 8</b>	<b>Remove Existing Components and Enclosure:</b> Remove all existing components from the system (relays, transverter, and pilot transformers). If mounting a new enclosure, pull all wiring out of the enclosure through the knockouts and then remove the enclosure from the wall.	Low Voltage	Flat head screwdriver Side cutters

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<b>Step 9</b>	<b>Mount New Panel:</b> Mount the new panel. If installing combo units within the existing enclosure, mount the DIN rail to the existing enclosure.	N/A	Drill
<b>Step 10</b>	<b>Terminate Common Wires:</b> Terminate all commons into the white terminals labeled Common (commons can be shared).	N/A	Mini Touch-Plate screwdriver Wire strippers
<b>Step 11</b>	<b>Terminate Low Voltage Switch &amp; Pilot Wires:</b> Terminate all switch inputs and pilot indicator wires into designated terminals.	Low Voltage	Mini Touch-Plate screwdriver Wire strippers
<b>Step 12</b>	<b>Terminate Line Voltage Switch Legs:</b> Terminate all lighting loads (switch legs) into terminals labeled SW1-SW8.	Line Voltage	Phillips screwdriver Wire strippers
<b>Step 13</b>	<b>Terminate Incoming Line Voltage Wires:</b> Terminate breaker feeds on the H terminals. Jumpers can be removed and separate breaker feeds can supply voltage to each individual relay.	Line Voltage	Phillips screwdriver Wire strippers
<b>Step 14</b>	<b>Replace Existing Lighted Wall Switches:</b> If you haven't already done so, replace any existing master switches (those with lighted buttons) with newer switches that use LEDs. This must be done before power is brought to the upgraded system due to incompatibility.	Low Voltage	Screwdriver Mini Touch-Plate screwdriver Wire strippers
<b>Step 15</b>	<b>Restore Power:</b> Turn all breaker feeds ON.	Line Voltage	
<b>Step 16</b>	<b>Final Test:</b> The upgrade is now complete. Test the system from the wall stations to make sure everything is working properly.	N/A	
<b>Step 17</b>	<b>Troubleshooting:</b> Troubleshoot any loads not working correctly. View <a href="https://www.youtube.com/watch?v=cfm5dFhaL30">https://www.youtube.com/watch?v=cfm5dFhaL30</a> for troubleshooting tips and advice.	Both Line and Low Voltage	
<b>Step 18</b>	<b>Take After Pictures:</b> Take at least one good picture of all relay panel areas. Before and After pictures of an upgrade can be submitted along with a brief survey for a 3 year extended warranty. Visit <a href="http://www.touchplate.com/survey">www.touchplate.com/survey</a> .	N/A	Camera or Smart phone