

<http://waterheatertimer.org/How-to-wire-Intermatic-CA3750.html>



ENERGY CONTROLS



InTouch™ — The Centerpiece for Peaceful Living

Z-wave™ makes reliable wireless home control possible. Intermatic makes it a reality with the InTouch™ series of wireless controls. Until now home controls had only two options — reliable controls that were too expensive or low cost controls that were unreliable. That's all changed with Intermatic's InTouch wireless controls, which bring reliable controls together with low cost to deliver a home solution everyone can enjoy.

Named the Best New Emerging Technology by CNET at the 2006 Consumer Electronic Show, and recipient of the Electronic House Product of the Year Award, Z-wave is a breakthrough technology that enables products from many different manufacturers to seamlessly work together. This same technology lies at the center of Intermatic's InTouch home control system.

Several factors contribute to make Z-wave a breakthrough innovation. First is the "mesh" network, which basically means that every line-powered device within the network acts as a repeater to route signals among distant devices. Second is that Z-wave networks operate in the 900Mhz band, providing a penetrating signal to deliver reliable communications between devices. Another factor is that with more than 4 billion unique house codes, Z-wave provides a secure network with no fear of interference from neighboring systems. Finally, Z-wave has made the leap from theory to reality as more than 100 companies are working in the Z-wave Alliance to develop actual products that benefit homeowners today and in the near future.

What this means to homeowners, is they now have all of the convenience, comfort and safety of a reliable home control system without concerns of system reliability, product/ installation costs or compatibility between products.

The Intermatic InTouch system helps homeowners "set the scene" for entertaining, working or just relaxing after a long day. Homeowners can now manage and monitor lighting, security systems and other electronics easily, conveniently and securely from anywhere in the world. Functions such as indoor and outdoor lighting, entry access, pool & spa functions, home theater systems, window treatments and heating & cooling are a breeze with Intermatic's InTouch control system.



Intermatic's InTouch system has taken Z-wave technology to an even higher level of functionality with the introduction of its patent pending InTouch server technology. The InTouch server provides full two-way, real-time status of every device in the network including legacy Z-wave devices. The InTouch server also makes a host of never before seen features available to the installer and homeowner including:

- Greater network range – doubling the number of “hops” a signal can take to get to its target from the Z-wave standard of 4 to 8
- In-field firmware upgrade capability – future-proofing an InTouch network from protocol changes
- System text and graphics messaging – allowing streaming information such as sports scores, stock quotes, weather and news alerts as well as personal and system status messages
- Centralized scene and status information – ability to remotely edit scenes from anywhere in the network
- Full Z-wave compatibility – adding an InTouch Server to any manufacturer's Z-wave product instantly upgrades their capabilities to share many of the InTouch features

Imagine arriving home from a long day's work and as you step inside, the temperature of the room is just right, the lighting level is relaxed and inviting, your audio system is playing your favorite song, the shades are being drawn for the evening and your spa is warm and bubbling.

At Intermatic, we call this living the InTouch lifestyle. Previous home controls systems capable of providing a similar level of service as InTouch were expensive, took weeks to install and didn't deliver the same functionality.

InTouch provides the safety, security and convenience homeowners are looking for while making it price-accessible for everyone. With an InTouch residential controls package from Intermatic, electrical contractors, designers, home builders and custom installers can provide homeowners with a robust and intelligent system for a fraction of the cost of current competitive systems. Best of all, the system can be expanded easily to grow with homeowners' changing needs. And since it's powered by Z-wave technology, InTouch is 100% compatible with the growing number of Z-wave enabled products.

InTouch products are backed by a 10-year warranty and more than 115 years of experience in the electrical industry. The controllers, switches and receptacles are designed to complement any décor and the intuitive controls are designed for minimal programming effort and maximum system functionality.

For the Professional installer:

- Earn back lost sales by offering customers an affordable, full-bodied system at a price that will shock them for being so affordable.
- Easy Installation equals less spent on time and labor. InTouch devices install with existing wiring and both network setup and system programming are quick and easy.
- Fewer SKUs means less inventory. Intermatic's growing line of InTouch products offer changeable faceplates and combination switches to keep the number of devices the distributor or installer needs to inventory to a minimum.
- Adaptability makes InTouch the perfect solution for new construction as well as retrofit applications.

For the Homeowner:

- Advanced technology fosters a progressive lifestyle at a price anyone can afford.
- Home controls add value to the home, increasing prestige and resale values.
- Reliable and secure control network for consistent comfort, convenience and safety.
- Energy savings brought about by improved electrical management.
- Easily modified as your electronic needs change and grow.



How the InTouch™ System Works

The Life Science of Z-Wave™ Technology



Z-wave technology from Zensys creates a reliable control network suitable for both residential and light commercial applications.

This technology forms the backbone of Intermatic's InTouch system.

The InTouch system from Intermatic goes beyond other wireless control products by unleashing the full potential that the Z-wave network provides.

The end result is a wireless control system that surpasses all others in versatility, reliability, and affordability.

InTouch™ Integration

Intermatic's patent pending server technology can be integrated into a variety of devices, in this example the charger base for the remote control has established itself as the server for the network.

The InTouch server manages all the scenes that are active within the network. As scenes are activated, it determines which devices are effected and sets them to their new levels.



The server also tracks the status of every InTouch device in the network as well as any legacy Z-wave devices. The user is able to instantly see the status of any scene just by looking at control devices like the hand-held remote, multi-scene or master control.

The server keeps the status indicators on all these devices up to date with the latest system information. If someone forgets to turn off the basement light, it will be displayed to remind them and to allow them to turn those lights off without having to physically go back down to the basement.



Beyond safety, comfort and convenience...

InTouch Z-wave enabled products help you live your life in style.

InTouch™ Residential and Small Business Applications

CA600
Dimming Control



CA5100
Multi-Point Control



CA3000
Lighting Control



CA5000
Multi-Scene Control



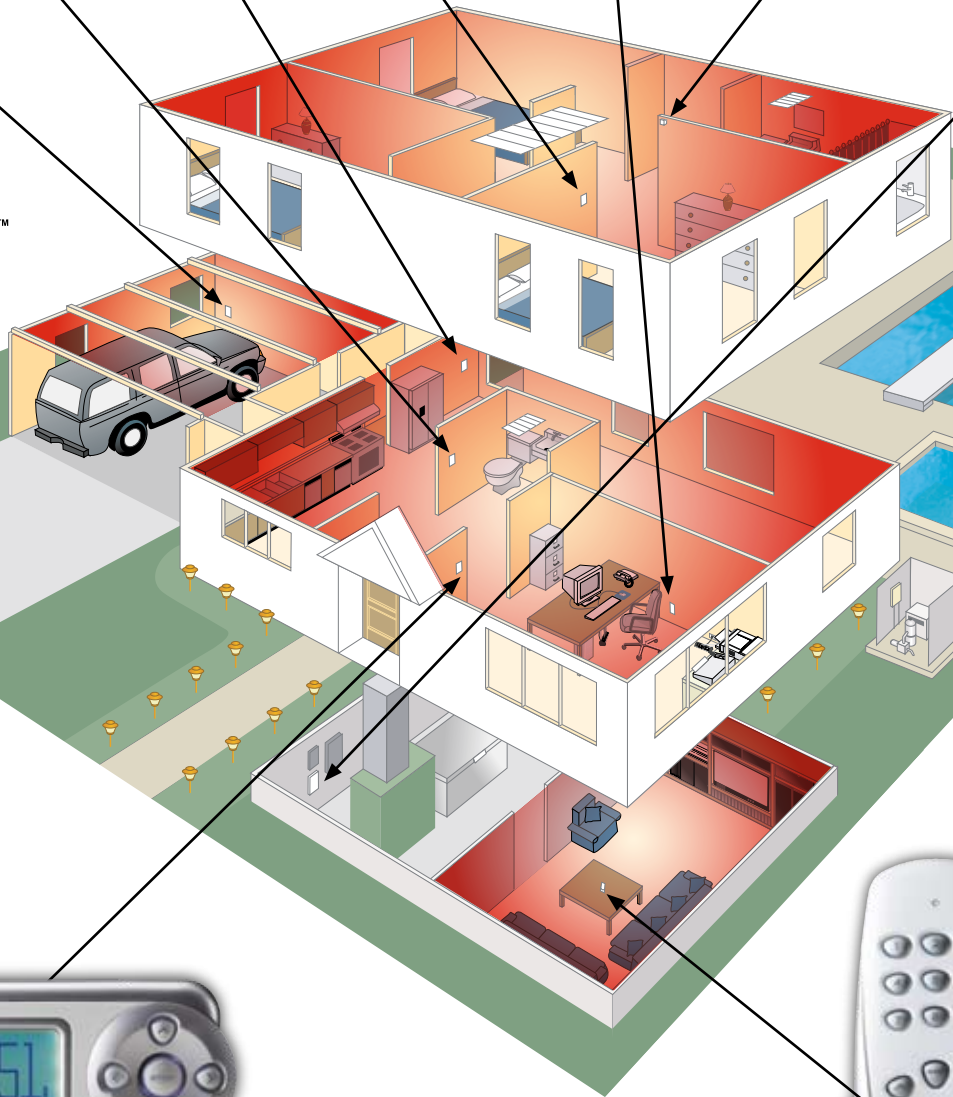
CA3500
Appliance Control



CA9000
Motion Control



CA3750
Heavy Load Control



CA7100
Central Command



CA5500BR
Portable Command

InTouch™ Product Line



CA7100 In-Wall Master Control

- Features include multiple scene functions, programming based on time, action or a combination of both, along with a full 2-way control system
- Built-in astro clock allows lights to go on at sunset and off at sunrise, never having to reset the timer
- Voltage: 120 volts 50/60 Hz
- Agency approval: FCC, CSA c/us



CCA3000 Wall Switch

- Includes local and remote scene control, ON/OFF, 3-way option and mini-scenes
- Includes three interchangeable faceplates
- Colors include White, Ivory and Light Almond
- Voltage: 120 volts 50/60 Hz
- Rating: 1800 Watts 15A Tungsten; 1800 Watts 15A Resistive/Inductive; 1820VA 15A Ballast; 1/2HP Motor
- Agency approval: FCC, CSA c/us



CA9000 Wireless PIR Sensor

- Features remote scene control and adjustable time delay
- Requires three AA alkaline batteries
- Agency approval: FCC



CA600 Wall Dimmer Switch

- Offers local and remote scene control, ON/OFF/dim/bright features and LED feedback
- The 3-way option allows consumers to control lights from multiple locations, using standard switches, and the mini-scene function allows a light switch to also trigger a small scene of up to five additional devices
- Includes three interchangeable faceplates
- Colors include White, Ivory and Light Almond
- Voltage: 120 volts 50/60 Hz
- Rating: 600 W Tungsten
- Agency approval: FCC, CSA c/us



CA5000 Multi-Button Scene Controller

- Offers remote scene control and status feedback
- Includes three interchangeable faceplates
- Colors include White, Ivory and Light Almond
- Voltage: 120 volts 50/60 Hz
- Agency approval: FCC, CSA c/us



CA5500BR Hand Held Remote with Smartbase

- Offers remote scene control, status feedback and a rechargeable nickel metal hydride battery
- The Smartbase also features network memory backup
- Agency approval: FCC



CA5100 Accessory Wall Controller

- Features include remote scene control, and mini-scenes
- Includes three interchangeable faceplates
- Colors include White, Ivory and Light Almond
- Voltage: 120 volts 50/60 Hz
- Agency approval: FCC, CSA c/us



CA3500 Split-Duplex Receptacle

- Features one controlled grounded receptacle and local control
- Includes three interchangeable faceplates
- Colors include White, Ivory and Light Almond
- Voltage: 125 volts 50/60 Hz
- Rating: 15 Amps General Purpose
- Agency approval: FCC, CSA c/us



CA3750 Contactor Module

- For large loads such as air conditioners, spas and heaters, the contactor module features a local ON/OFF control and LED feedback
- Voltage: 120, 208, 240, 277 volts 50/60 Hz
- Rating: 6600 Watts 30 A Resistive; 5500VA 25 Amps Inductive; 5540 Watts 20 Amps @ 277VAC Ballast; 4400 Watts 20 Amps Tungsten; 3HP @ 220VAC Motor
- Agency approval: FCC, CSA c/us

Keeping InTouch™ with the Future



We've come a long way in just a short amount of time. The Z-wave and InTouch technologies are a testament to that. But we don't rest on our successes. Innovation and forward thinking are hallmarks of Intermatic and are reflected in our products. We've got new ideas on the drawing board right now to make life better. They're coming—from Intermatic.



CA8500 Telephone Transponder

Allows user to control any Z-wave enabled device from anywhere in the world using a Touch-Tone™ telephone. The transponder simply attaches to a phone jack between the wall and the phone. The transponder activates upon "hearing" its unique, user-devised access code. Users can send commands using the phone keypad. The transponder confirms all commands with a simulated human voice. The transponder also includes a full-featured Caller-ID with 50 number memory.



CA9500 Outdoor PIR Sensor

Provides motion and remote ON/OFF switching for incandescent, fluorescent, and magnetic low-voltage lighting loads.

- Rating: 120V 50/60Hz, 15 amp Tungsten / Inductive Loads



CA3300 Dimming Fixture Module

The dimming fixture module gives the user manual and remote ON/OFF switching and full range dimming for incandescent lighting loads. Can be mounted at an incandescent fixture by means of adhesive strips or with threaded connector. Equipped with leads for easy installation.

- Rating: 120V 60Hz, 300W Tungsten



CA3550 220V Wall Receptacle

Provides remote ON/OFF switching for loads up to 15 amps including appliances, lamps, motors, and audio/video equipment. Local control of any light or appliance plugged into the controlled outlet can be achieved by switching the load ON/OFF switch once or twice. Comes complete with White, Ivory, and Light Almond faceplates.

- Rating: 220V 50/60Hz, 15 Amp Inductive / Resistive / Tungsten / 2HP Motor



CA1000 1000-Watt Incandescent Dimmer

The 1000-watt version of the InTouch Dimmer gives the user manual and remote ON/OFF switching and full range dimming for incandescent lighting loads such as large decorative fixtures and banks of recessed lighting. Each unit includes White, Ivory and Light Almond snap-on Rocker and Frame faces.

- Rating: 120V 60Hz, 1000W Tungsten



CA600LV & CA1000LV 600 & 1000-Watt Low Voltage Dimmers

These low voltage versions of InTouch dimmers provide manual and remote ON/OFF switching and full range dimming for magnetic & electronic low voltage lighting loads. Each unit includes White, Ivory and Light Almond snap-on Rocker and Frame faces.

- Rating: 120V 60Hz, 600W & 1000W Low Voltage Loads



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