


ATKINSON ELECTRONICS

# Remote Home Automation




 You've just invested upwards of a million dollars in your beautiful vacation home. According to the 2006 National Association of Realtors survey Profile of Second Home Owners, 34% of all vacation home properties are located at least 500 miles from the owner's primary residence. Who is taking care of your million-dollar investment for you? Chances are you are among the millions of remote home owners who rely on paying a property manager to periodically check on their remote home. Wouldn't it be nice if you could know exactly what is happening with your property, regardless of what part of the globe your business has taken you to this week?





Atkinson Electronics Remote Home System lets you effortlessly monitor what is happening at your remote property. Atkinson Electronics has over twenty years of experience in commercial, industrial, medical, and high-end home automation. The same proven and leading technology that is used for hospitals, government and commercial buildings, and critical environments is now available for the remote-home market. An industrial web server installed at your property continuously monitors and controls your security, heating, cooling, gates, irrigation, electrical system, or any other home system you want to connect. All you need is an Internet-connected device, such as a computer, PDA, or cell phone. Any alarms are e-mailed instantly to you and can be received on any internet connected device.

The software has a user-friendly graphical interface that is easy to navigate with any web browser. The web browser enables you to both view and effortlessly control any connected device. You can know or do anything remotely that you could physically do at your vacation home. It's as simple as accessing any Internet website. It's also completely secure. Encrypted password access with optional multiple users prohibits unauthorized access.



# Automation

Help
Home

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MALNI: Status Ok

**Malni Universal Inputs**

BatteryVoltage_ui1	12.84 V
PV Voltage_ui2	12.81 V
PV Charge_in3	0.25 A
BatteryLoad_UI4	0.00 A
Outdoor Temp_ui5	30.8 °F
Test Module_ui6	50.8 °F
HWHeater_ui7	51.9 °F
FirstFloor_ui8	54.36 °F
SecondFloor_in9	54.9 °F
Enclosure_in10	78.1 °F

**Malni Digital Inputs**

SolarLight_di1	OFF
PowerFail_di2	Normal
Ex_Door_di3	Closed
KeyPad_di4	Armed
MotionSensor_di5	No
Cabin Heat_di6	Off

**Malni Digital Outputs**

Name	Command
CabinHeat_Do1	Off
SnowMelt_do2	Off
LoftExhaustFan_do3	Off
HwHeater_do4	Off
Beeper_do5	Off
Horn_do6	Off

**Talon 4Loop # 2**

ThermalSolarOut_in1	nan °F
ThermalSolarInlet_in2	nan °F
Thermal Rejection_in3	-441.4 °F
PropaneLevel_in4	0.9 %
WaterDectors_in5	Wet
SmokeAlarm_in6	ALARM

Four Loop: Status Ok

**Talon 4Loop Inputs**

refrigerator_in1	39.8 °F
Freezer_in2	9.6 °F
UPS Battery in3	26.2 V
Outdoor %RH in4	61.9 %
Instantaneous Wind Velocity in5	6.2 mph
AVG Wind Velocity	6.1 mph
PV Temp_in6	35.1 °F

**Talon 4Loop Outputs**

InsideCamera_do1	On
200mALoadTest_do1_dn	Off
1.2ALoadTest_do2_dn	Off
MALNI Reset do3_up	Normal
Emergency Light do3_dn	Off
Exterior Light 120V do2	Off
Interior Light 120V Do4	Off

Heating

Security

Solar Energy

Environment

Automation

Lighting



Not only does Atkinson Electronics Remote Home protect your investment, but it also simplifies your life. After all, that is one of the reasons you bought a vacation home in the first place, to get away and have a relaxing break from every day life. Are you planning a ski trip to your cabin this weekend? On a break between meetings, you can quickly access the Internet to check the snow levels at your cabin. You can check the internal and external temperature and program the heat to turn on a few hours before you arrive. While you're at it, you can also program the appliances to turn off after you leave. In addition, you can also:

- *Know how much propane is left in your tank.*
- *Set simple, low-level temperature thresholds for freeze protection.*
- *Protect your home with full-featured security including arming key pad, motion sensors, door switches, and cameras.*
- *Monitor your battery voltage and electrical system for solar/wind powered cabins.*
- *Avoid disasters – water & freeze protection, intrusion, and equipment failure.*
- *Use access control for remote property managers, gates, doors, etc.*
- *Save money – remote home owners no longer need to hire property managers to check their property.*
- *Atkinson Electronics Remote Home Automation gives you peace of mind, your remote home is well taken care of and always ready for you to use and enjoy.*

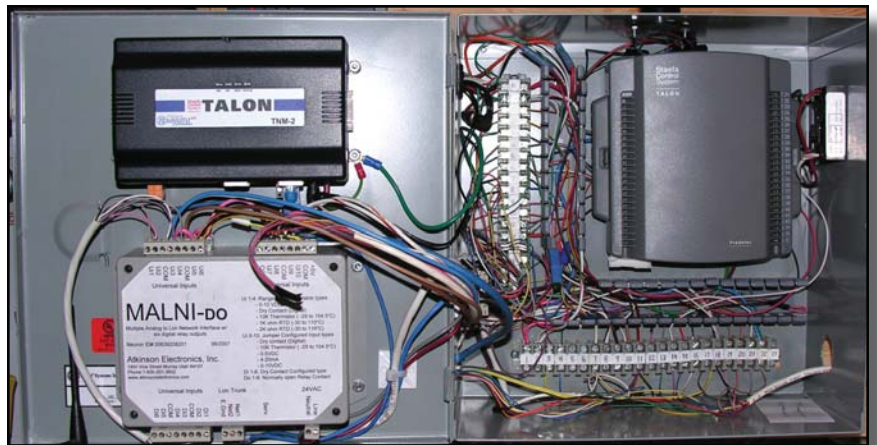
Installed Demo System Station:

<http://aecabin.tzo.com>

user: cabindemo

password: demopassword

Read more at  
[www.atkinsonelectronics.com](http://www.atkinsonelectronics.com)

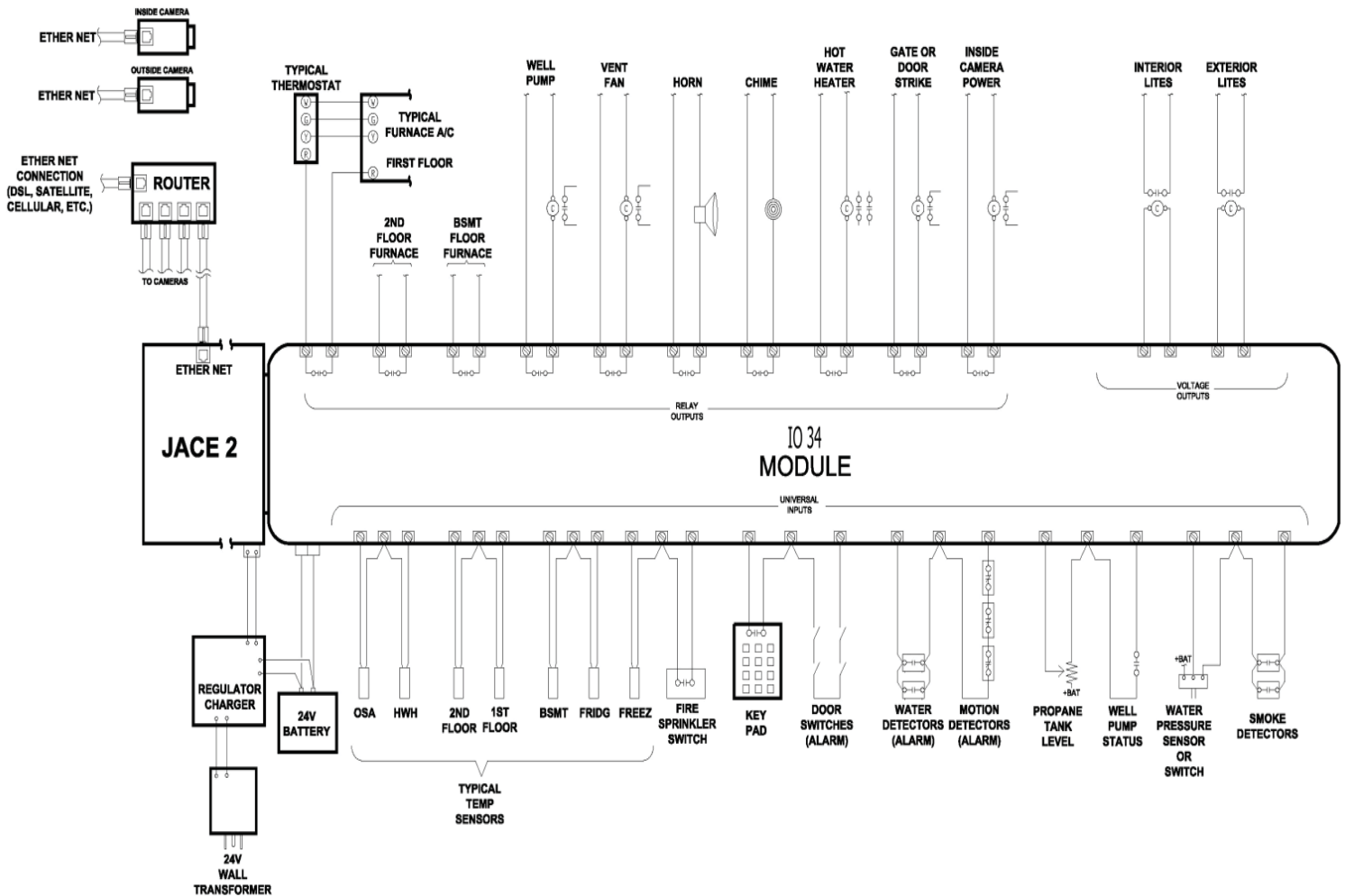


Automation Systems marketed to remote home owners and contractors.

All sensors and control wiring is low voltage and connects to terminal blocks on the automation module.



## TYPICAL REMOTE HOME WIRING DIAGRAM



Atkinson Electronics, Inc. (AEI) was founded in 1976 by Gaylen Atkinson designing and building custom electronic controls for solar energy systems.

In 1980, AEI expanded its focus to include HVAC controls and become a control systems distributor. Increased emphasis was given to manufacturing and sales of electronic interface boards in 1984. The construction of our Murray, Utah facility in 1991, quadrupled our manufacturing, engineering and office space.

In the mid 90's, AEI started manufacturing photo voltaic solar battery charging controls. This has grown to include generator controllers, network controls, irrigation systems and remote home automation.

As both a HVAC control systems distributor and electronic systems manufacturer, AEI has provided unique solutions to solve electronic problems in the HVAC industry, alternative energy and home automation.

Throughout our existence, our commitment has remained the same . . . . .

*. . . . . to provide our customers with innovative solutions to their control system problems.*



[www.atkinsonelectronics.com](http://www.atkinsonelectronics.com)

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