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Applied Digital, Inc. Presents "The Automator"

Applied Digital, Inc (ADI) of Branson, MO is proud to present the first issue of The Automator, a quarterly newsletter. The Automator will be bringing you loads of information that will be beneficial to you. Each newsletter will feature a product from the ADICON 2500™ Series. The C-Max™ Control Wizard software section will provide you with C-Max™ code examples for varying types of situations. You will be able to meet the employees of ADI in the special Employee Profile section. The Automator will also include helpful tips and tradeshow information. Enjoy this issue with more to come.

Inexpensive Home/Building Control that's Powerful, Expandable and Easy to Use!

**ADICON
2500™**

Each of the ADICON 2500™ products will be listed and explained below. For more detailed information on each of the products, check out the Featured Product section in this issue and upcoming issues of The Automator. This quarter we will be featuring The Ocelot™.

Leopard™ - touch screen controller. Will hold up to 1024 unique IR commands & 2048 lines of code.

Ocelot™ - stand-alone controller. Will hold up to 1024 unique IR commands & 2000 lines of code.

Bobcat™ - single point modules that support various functions, such as temperature or humidity that connect to the 2-wire daisy chain on the Ocelot™ or Leopard™.

Current Bobcat™ Modules:

Temperature Module: Has a built in temperature sensor on an 18' cable.

Humidity Sensor: Has the humidity sensor built right onto the module.

C-Max™ Control Wizard software - Allows you to control ADICON 2500™ Series with simple IF, THEN, ELSE, AND, & OR commands for easy programming.

SECU-16™ - 8 inputs, can be configured as digital, analog (0-5V) or supervised inputs for detecting dry contact closures. Also has 8 low-current (24V@1A) relay outputs.

SECU-16I™ - 16 inputs that can be configured as digital, 4-20mA, analog (0-5V) or supervised inputs for detecting dry contact closures.

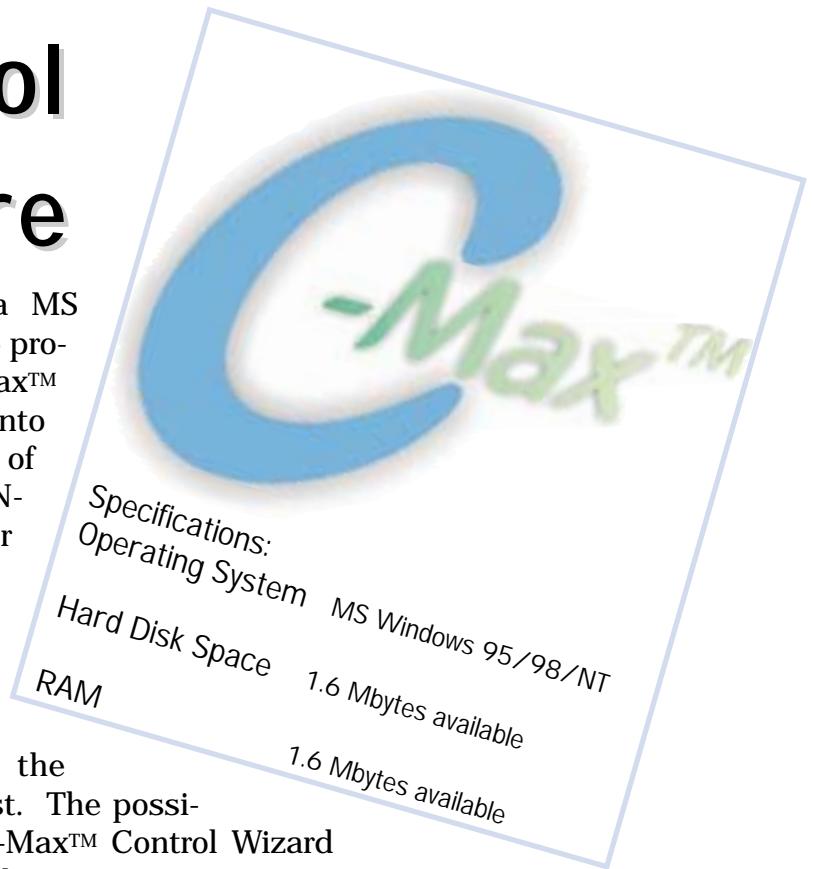
RLY8-XA™ - 8 high-current (120V@10A) relay outputs to switch high loads.

SECU-16IR™ - expands IR 16 outputs at a time. Each IR output is identified as a zone.

ADNET-Modem™ - Used to call a pager on an event to allow the user to call into and control the ADICON 2500™ from a remote location.

C-Max™ Control Wizard Software

The C-Max™ Control Wizard Software is a MS Windows® 95/98/NT package that allows you to program the Ocelot™ or the Leopard™. The C-Max™ Control Wizard Software also allows you to call into the ADICON-Modem™ and monitor the status of the ADICON 2500™ Series. Simple IF-THEN-ELSE-AND-OR programming tells the Ocelot™ or the Leopard™ how to react to events on the ADICON 2500™ line, receiving an X10 command, receiving a learned IR (infrared) command, time of day, day of week, year or many other conditions that you may choose. The C-Max™ Control Wizard Software is provided with the Ocelot™ and the Leopard™ at no additional cost. The possibilities for what you can automate with the C-Max™ Control Wizard Software and the ADICON 2500™ Series are endless.



C-Max™ Code Examples

In each newsletter a portion of the C-Max™ page will be devoted to giving you C-Max™ code examples. This section will include a description of the example(s), what the line of code will look like in your C-Max™ software and a step-by-step process on how to enter the code via the C-Max™ Control Wizard Software. The examples provided will start out simple and become more advanced as more issues of The Automator are released.

Code Example #1

Turning on an X10, such as a light, at a specific time of day.

Line #1 If Time of Day is = 10:00

Function-IF Type-Time of Day Operator-is= Time Entry-1000

Line #2 Then turn X10 A/6 ON

Function-THEN Type-X10 Quick ON House Code-A Key Code-6
or

Line #1 If Time of Day is = 10:00

Function-IF Type-Time of Day Operator-is= Time Entry-1000

Line #2 Then Transmit X10 A/6

Function-THEN Type-Transmit X10 House Code-A Key Code-6

Line #3 Then Transmit X10 A/19

Function-THEN Type-Transmit X10 House Code-A Key Code-19

Code Example #2

Brightening an X10, such as a light, when signal received from X10, such as an X10 motion detector.

Line #1 If X10 B/6 On Command

Function-IF Type-X10 Status Change House Code-B Key Code-6
X10 Status-On Command Pair

Line #2 Then Transmit X10 A/2

Function-THEN Type-Transmit X10 House Code-A Key Code-2

Line #3 Then Transmit X10 A/22, 5 time(s)

Function-THEN Type-Transmit X10 House Code-A Key Code-22
Dim/Bright Repeat-5

If you have any C-Max™ Code Examples you would like to submit, please contact Steven Place, editor, at any of the following contacts listed on the bar below.

Customer Support

417.338.5101

Website

www.appdig.com

Email

adinfo@appdig.com

Address

434 Santa Fe Ave.
Branson, MO 65616

The Ocelot™



Specifications:
Connections

RS232 DB9 to PC
RS485 2 wire to ADICON 2500
2 - 3.5mm Stereo Jacks
Power, 2 wire screw terminals
X10, 4 conductor RJ11

Power
Size

9-12V (DC or AC) @ 200mA
6 9/16" Wx13/8" Hx4 3/4" D

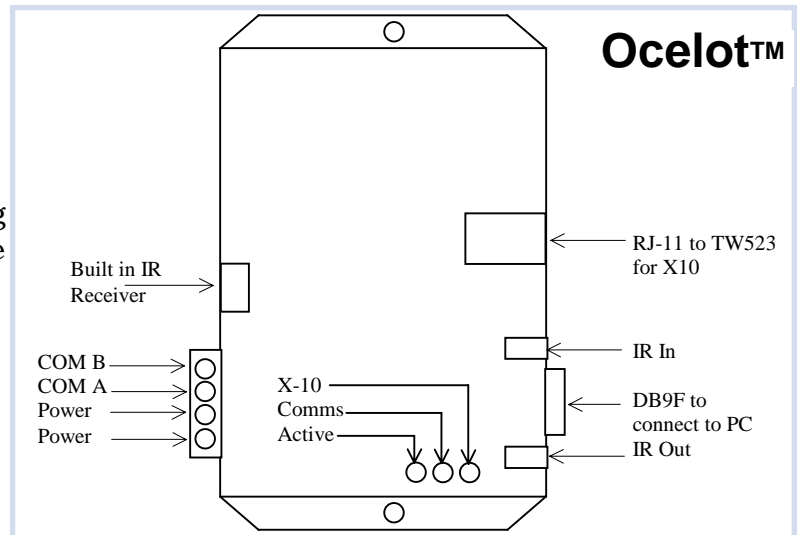
The Ocelot™ is the controlling device for the ADICON 2500™ Series. The Ocelot™ connects to the computer via the RS232 port using the provided DB9M-DB9F cable. A RJ-11 port allows you to connect the Ocelot™ to a TW523 for complete 2-way X10 control. Two IR (infrared) ports (transmit and receive) give you complete learning IR. The Ocelot™ will hold up to 1024 unique IR commands and 2000 lines of code. Once the Ocelot™ has been programmed, you can disconnect it from the computer and operate it independently.

A 4-wire screw terminal allows you to connect various ADICON 2500™ modules to provide relay outputs and analog, digital, and supervised inputs. Up to 128 modules and 2048 points (each input or relay output is a point) can be connected in a daisy chain. This makes the ADICON 2500™ Series very expandable.

The Ocelot™ has three LEDs, a built in IR receiver, two power terminals, a COM A terminal, a COM B terminal, a RJ-11 to TW523 for X10 port, an IR in port, DB9F for PC connect port and an IR out port. See Diagram Below.

The three LEDs on the Ocelot™ indicate **Active**, **Comms** and **X10**.

Active - indicates that the Ocelot™ is operational. Three flashes indicate that the Ocelot™ is processing but there is no program loaded. Four flashes indicate that the Ocelot™ is processing and a program written in the C-Max™ Code Editor is loaded into the Ocelot™. Also acts as an Infrared Transmit/Receive indication. When IR is transmitted and received, the Active Light illuminates for about 2 seconds.



Comms - indicates communications with ADICON 2500™ modules. If no modules are connected, this light will not illuminate. If there is communications between the ADICON 2500™

modules and the Ocelot™, this light will flash rapidly.

X10 - indicates X10 activity. The light is constantly on when connected to a TW523 with no X10 activity. Every time X10 is transmitted and received, the X10 light will flash off momentarily. If the Ocelot™ is not connected to a TW523, the X10 light will be off.

LEOPARD™

When loading a bitmap

image into the Leopard™, you

must remember that the bitmap image

needs to be 320x240 in resolution. The image

must also be in black and white, NOT grayscale. You

must also leave the top 17 lines blank, as they are reserved for

displaying the time & date on the display.

Please refer to the manual for complete

instruction on loading the bitmap image.

brought to you by Technical Support

TIP
Corner

Employee Profile...

Steven Place

Welcome to the first Employee Profile. Each quarter we will highlight one of Applied Digital's employees. This will help you to become a little more familiar with the staff here. We hope that you find this information useful and interesting. The first employee profile to be presented is that of Steven Place, the editor in chief of the newsletter. (This also happens to be me) I am always open to any feedback that you may have about the The Automator. If you have any suggestions, please call me at

4 1 7 . 3 3 8 . 5 1 0 1

I am undoubtedly the newest employee here at Applied Digital. I am extremely excited about being part of the customer support team. My past experience includes 2 years as the lead technical support engineer for a major integrated security/fire/access control system manufacturer. Previous to that, I enjoyed four years in the U.S. Marine Corps as an aviation electrician. I am more than excited about learning the ADICON 2500™ Series. Applied Digital is known for their outstanding technical and customer support. I will continue to uphold our reputation for



excellence.

I truly do appreciate working with a team that insists on the integrity of it's products and employees, but most of all, one who puts emphasis on customer value.

-Steven Place

Tradeshhow Information



Kevin Barrett pictured above at CEDIA

WHAT A SUCCESS!!!

What an exciting time Applied Digital had at the CEDIA Expo 2000. Having the opportunity to display the ADICON 2500™ line of equipment and being able to meet with all of the people that we talk with daily made the whole trip well worth it's time. We are already looking forward to CEDIA's next trade show. We hope to see you there. If you would like to learn more about the ADICON 2500™ line of equipment, do not hesitate to call us. We can send you information or discuss any questions you may have over the phone.

417.338.5101

Electronic House Expo
www.ehexpo.com

Ride the Wave to the Connected Home!

COMING SOON!!!

OCTOBER 25-27, 2000 AT THE DOUBLETREE HOTEL IN COSTA MESA, CA.

Applied Digital, Inc. is looking forward to seeing you in Costa Mesa. There we will be displaying our latest home automation products. Ride the wave to the **Worthington Distribution** Booth at the EH Expo.

1.800.282.8864

www.worthdist.com