



Remote Power Management & Monitoring System



MODEL: 1RU8126MS USER MANUAL



2000 E Lake Mary Blvd

Sanford, FL 32773

(407) 894-8851 (800) 866-5699

contactus@ITSCOMMANDER.com

WWW.ITSCOMMANDER.COM

Read this manual before using this product. Failure to follow the instructions and safety precautions in this manual can result in serious injury or death.

Keep this manual in a safe location for future reference.

For other ITS Commander™ products, previous firmware versions and updates please go to our webpage at <http://www.ITSCOMMANDER.com>

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Introduction

The ITS Commander™ is designed to improve system reliability and lower the cost of ownership through reduced maintenance costs. The system benefits both the owning agency and maintaining agency by promptly sending signals of an abnormal situation, allowing routine monitoring of critical equipment, and providing the capability to remotely control outlets to reboot equipment. These features can reduce unnecessary trips to inspect or service the cabinet thereby saving money.

Southern Manufacturing's ITS Commander™ may be integrated with ITS enclosures from the factory. Power panel and factory installed equipment are pre-wired and connected.

Package

The contents of your package are:

- (1) ITS Commander™ Unit
- (2) Adjustable rack mounting brackets
- (1) Power cord
- (1) Temperature Probe
- (1) Users Manual

MIB, frequently asked questions and support provided at www.ITSCOMMANDER.com

SAFETY

Read this manual before using this product. Failure to follow the instructions and safety precautions in this manual can result in serious injury or death.
Keep this manual in a safe location for future reference.

Safety Symbols

The following symbols have been placed throughout this manual to reduce the risk of serious injury or death and to ensure the continued safe operation of this product.



NOTE

Notes provide additional information when completing a specific task or procedure. Notes will be designated by a check mark inside a circle, the word NOTE and a line beneath which the information appears.



CAUTION

Caution is used to provide safety information to prevent damage to the product or connected equipment. Caution is designated by a yellow triangle with a black exclamation mark in the center, the word CAUTION and a line beneath which the information appears.

Certifications and Compliances

The ITS Commander™ is designed, tested and manufactured to meet the requirements of the following national safety standards:



FCC Part 15 Class B

This equipment has been tested and found to comply with the limits of 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 (1) Reorient or relocate the receiving antenna (2) Increase the separation between the equipment and receiver (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected (4) Consult the dealer or an experienced radio/TV technician for help.

NEMA

NEMA TS 2-2003 v02.06 Sections 2.2.7.3—2.2.7.6 , 2.2.8.4 and 2.2.9

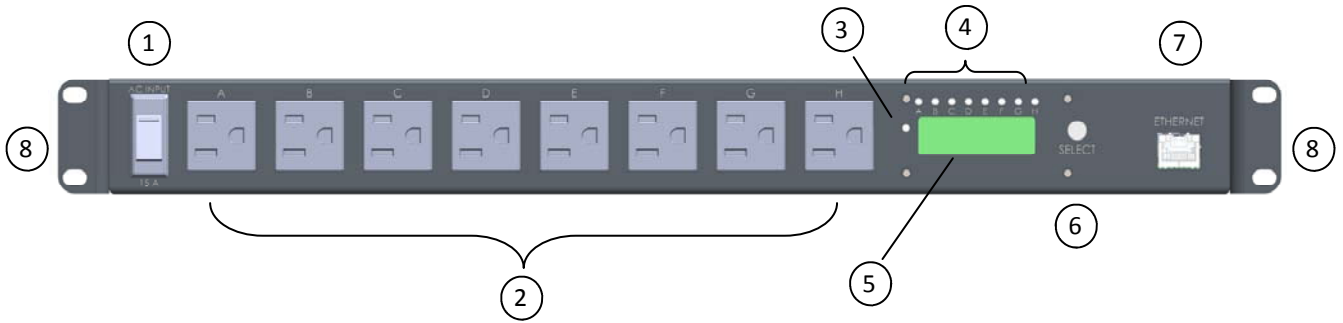
This equipment has been tested and found to comply with the NEMA TS 2-2003 environmental requirements as are applicable for this device. The requirements applicable are (1) Operating voltage (2) Operating Frequency (3) Temperature and Humidity (4) Ambient Temperature (5) Humidity (6) Vibration and (7) Shock.

ITS COMMANDER

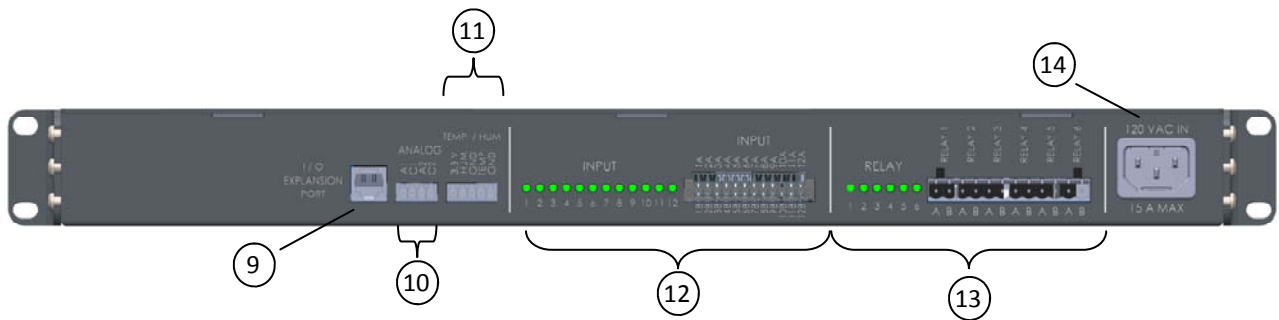
...Take Control™

Specifications		
MODEL		1RU8126MS
INPUT	Voltage Range	89 VAC- 135 VAC, 120 VAC (Nominal) ¹
	Rated Current	12 Amps
	Circuit Breaker	15 Amps
	Frequency Range	60 hertz ± 3 Hz
	AC Inlet	IEC C16, 15A, 250 VAC, 60 Hz
	Power Cord	NEMA 5-15P to IEC-C15, 15 A / 125 V
	Surge Suppression	20 kA, L-G, N-G
OUTPUT	Outlet Quantity	8
	Outlet Type	NEMA 5-15R, 15A / 125 VAC, 60 Hz
	Dry Contact Input Quantity	12
	Dry Contact Input Connector	24 Position, Screw less Push-In terminal, 16-24 AWG
	Relay Quantity	6
	Relay Switching Voltage	250 VAC, 125 VDC Max
	Relay Contact Form	SPST-NO (1 Form A)
	Relay Contact Rating (Current)	10 A
	Relay Connector	12 Position, Screw Terminal, 12-22 AWG
	Temperature Sensor	Thermistor, R @ 25°C = 10k Ω, ± 1 % (4.1 feet /1.25m)
	Humidity Sensor	26mV / % RH ±3% RH, Linear, 3.3 V Supply
	Temperature / Humidity Connector	5 Position, Screw terminal, 16-30 AWG
	Analog Inputs	2
	Analog Input Connector	4 Position, Screw terminal, 16-30 AWG
ENVIRONMENTAL	Operating Temperature	-34°C (-30°F) to +74°C (+165°F) ¹
	Operating Humidity	0—95 % Relative Humidity ¹
	Storage Temperature, Humidity	-45°C (-50°F) to +85°C (+185°F) / 0-100% ¹
OTHER	Dimensions	1.7" x 5.5" x 19"
	Rack Space	1 RU (Rack Unit)
	Network	10/100/1000 Base-T Ethernet Port, Auto MDI-X
	Alert Types	Email / SMS / User Interface / SNMP
	Clock	NTP
	Scheduling	100 events, ON—OFF—RESET
NOTES	1. Per NEMA TS2-2003v02.06	

Features



FRONT



REAR

ITEM	DESCRIPTION
1	Input circuit breaker, 15A
2	Outlets, 15 A, Labeled A through H
3	Unit Status indicator, Green
4	Outlet Status indicator, Green, labeled A through H
5	LCD Screen
6	Select Button
7	Ethernet Port

ITEM	DESCRIPTION
8	Adjustable rack mounting ears
9	I/O Expansion Port
10	Analog Inputs
11	Temperature and Humidity Inputs
12	Dry Contact inputs 1-12
13	Relay contacts 1-6
14	AC Power In, IEC C14 Inlet

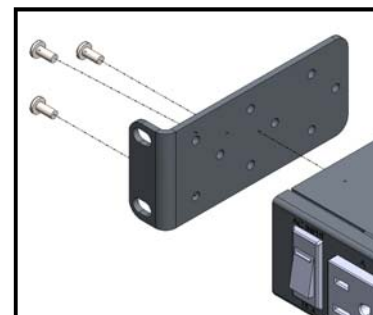
Mounting

Choose the desired mounting bracket location.

Procedure

The ITS Commander is provided with mounting brackets for a standard 19-inch rack. Each mounting ear is removable and adjustable towards the rear or the front.

1. Remove retaining screws from unit body
2. Choose the location of the bracket, by aligning the mounting bracket holes to the unit body.
3. Secure using retaining screws
4. Repeat for the other side.



Bracket Location Options



Front
Flush



Front
Recessed



Front
Deep Recessed



Rear
Flush



Rear
Recessed



Rear
Deep Recessed



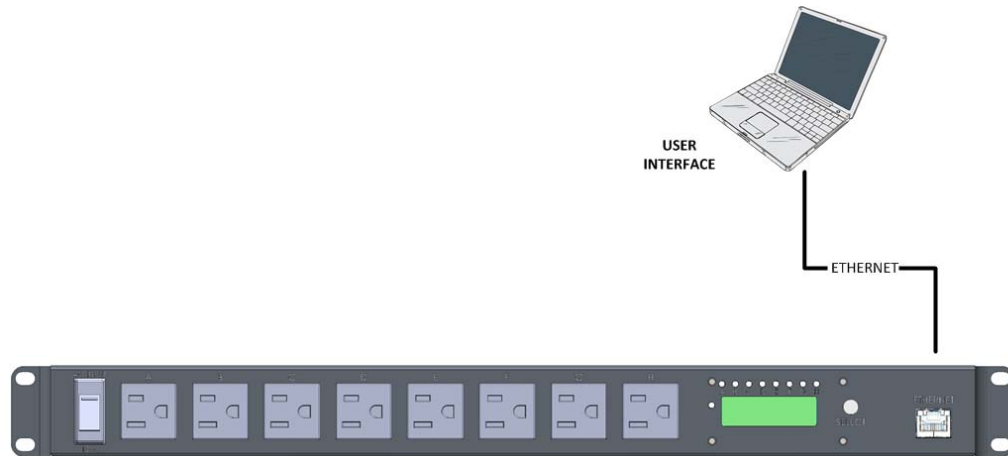
NOTE

Ensure to replace all screws in the mounting holes. Empty screw holes should be filled.

5. Mount in a standard EIA 19" Rack with (4) #10 screws.

Installation

Stand Alone Configuration



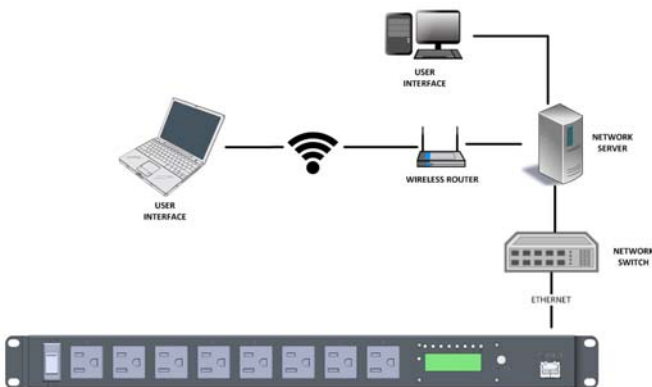
1. Connect an Category 5 (CAT 5) patch cable to the ITS Commander Ethernet port. A straight-through or crossover cable may be used.
2. Connect the other end of the RJ45 patch cable to the user interface (Laptop, PC, etc.).



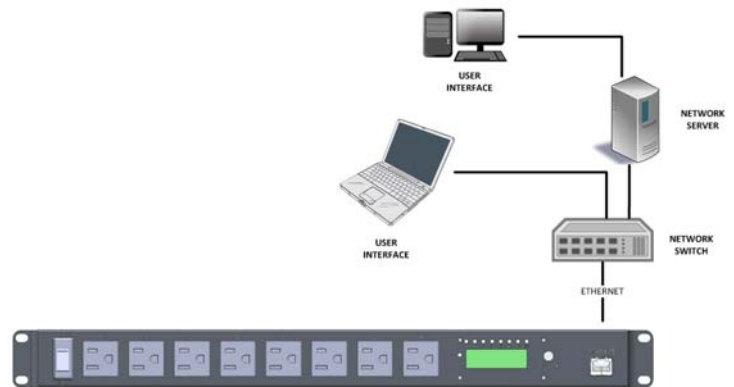
CAUTION

Stand alone configuration does not provide network time synchronization (NTP). Logging, Scheduling and Notification features will not be available

Network Configuration



Network Configuration 1



Network Configuration 2

1. Connect an RJ45 patch cable to the ITS Commander Ethernet Port.
2. Connect the other end of the RJ45 Patch cable to the network switch.
3. User interface may be accessed using a wireless router or direct connection to the network.

Set Up



CAUTION

Ensure input circuit breaker is in the OFF position before applying power to the unit.



CAUTION

Do not remove the MALE end of the power cord in order to “hardwire” the unit. Ensure proper safety standards are followed by using only listed or recognized power cords.

Power

1. Ensure the input circuit breaker is in the OFF position before proceeding.
2. Connect the IEC-C13 (FEMALE) end of the power cord to the rear of the unit.
3. Connect the NEMA 5-15P (MALE) end of the power cord to the desired power source (receptacle) .
4. The 15 A circuit breaker, located on the front of the unit, may also serve as an ON / OFF switch.



NOTE

If power or connectivity is lost to the unit, the below message will appear on the summary page.

ERROR: Connection to ITS Commander was lost.



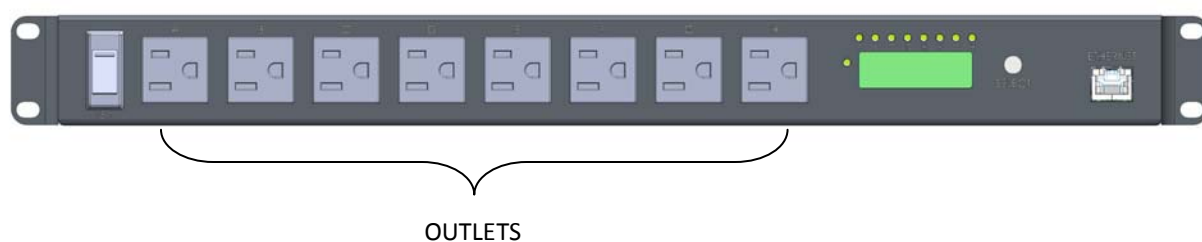
NOTE

This unit has a safe shutdown feature. This feature provides a few seconds of back up power within the unit to safely shut down and send one last “packet” of information to the server.

Set Up

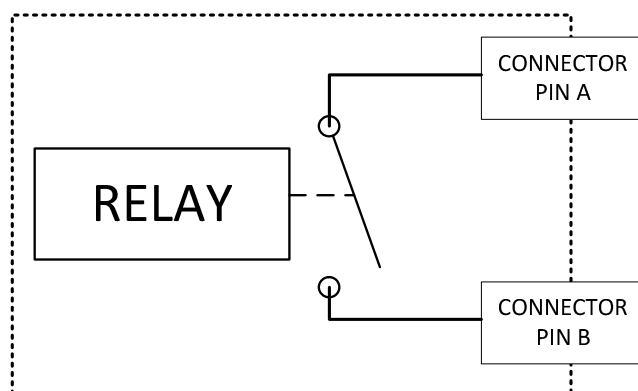
Outlets

1. Connect desired equipment to the outlet position using a NEMA 5-15P Plug.
2. Outlet labels may be changed in the [Names and Notifications] tab.
3. LEDs on the front of the unit labeled A—H indicate the ON / OFF status of each outlet. An illuminated LED means ON.



Relays

1. Connect desired equipment to the relay position using 12—22 AWG wire.
2. Relay labels may be changed in the [Names and Notifications] tab.
3. LEDs on the rear of the unit labeled Relay 1-6 indicate the OPEN / CLOSED status of each relay. An illuminated LED means CLOSED



NOTE

Relay contact rating is 10 A max. Relay switching voltage is 250 VAC / 125 VDC max.

Set Up



CAUTION

Inputs (Dry Contacts) provide their own voltage. DO NOT connect live power to Input (Dry Contact) terminals. Connecting live power to Input (Dry Contact) terminals will result in severe damage to the unit.

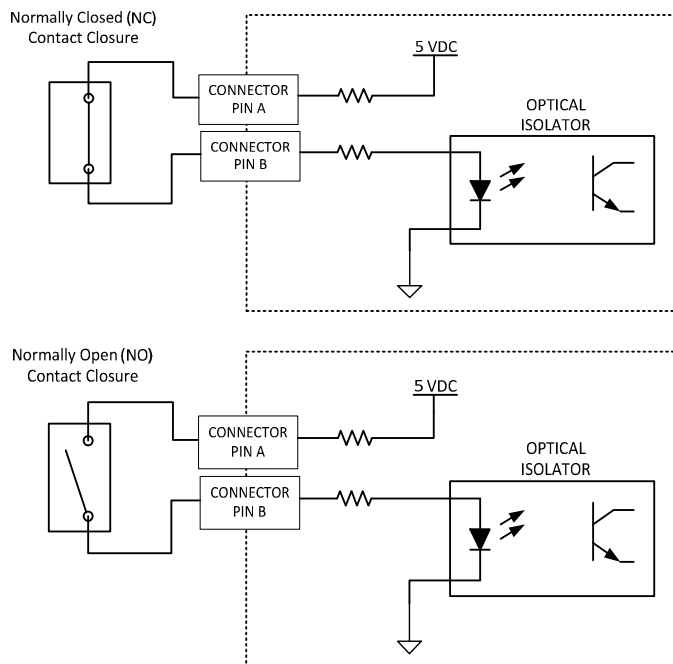
Input (Dry Contacts)

1. Ensure the input circuit breaker is in the OFF position before proceeding.
2. Connect the desired switch/equipment terminal to the Input position using 16—24 AWG wire. Do not connect live power to the input (dry contact) terminal. Connecting live power will result in severe damage to the unit
3. Input labels may be changed in the [Names and Notifications] tab.
4. Alarm status for normally open (NO) and normally closed (NC) contact closures may be changed in the [Names and Notifications] tab.
5. LEDs on the rear of the unit labeled Input 1-12 indicate the OPEN / CLOSED status of each input . An illuminated LED means a CLOSED input.



NOTE

The LEDs indicating input status are not linked to the ALARM status in the [Names and Notifications] tab. An illuminated LED means the contact is closed. A closed contact may be the normal condition for that contact. Illumination of an Input LED does not indicate an ALARM condition.



Set Up

Humidity Probe

1. Ensure the input circuit breaker is in the OFF position before proceeding.
2. Connect the humidity probe to the following pins:
 - Pin 1—3.3 V
 - Pin 2—HUM
 - Pin 3—GND
3. Humidity threshold levels may be changed in the [Names and Notifications] tab.



NOTE

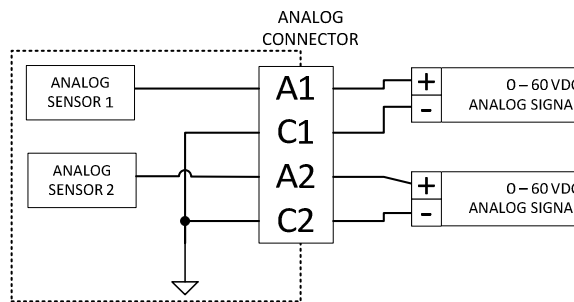
Please visit www.ITSCOMANDER.com to order a compatible humidity probe for this unit.

Temperature Probe

1. Connect the temperature probe to the following pins:
 - Pin 4—TEMP
 - Pin 5—GND
2. Temperature threshold levels may be changed in the [Names and Notifications] tab.

Analog Input

1. Connect desired equipment to the analog position using 16—30 AWG wire.
2. Analog threshold levels may be changed in the [Names and Notifications] tab.



NOTE

Analog inputs have an isolated ground. Please do not connect chassis ground to this connector.

I / O Expansion Port

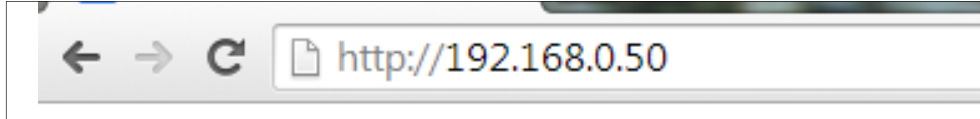
The I/O Expansion Port is not implemented in this model.

Set Up

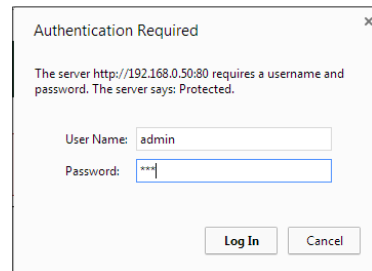
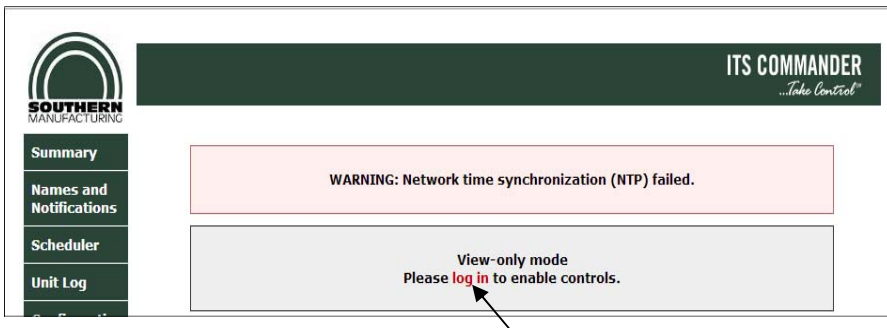
The ITS Commander™ can be configured using a web browser. To set up the unit:

1. Enter the following URL in the address bar.

http://192.168.0.50



2. When first accessing the user interface, log in to the unit using the default log in information.



User name: *admin*

Password: *its*

3. To configure the unit, select the [Configuration]

System

Enter the desired system values

System name (30 Characters)

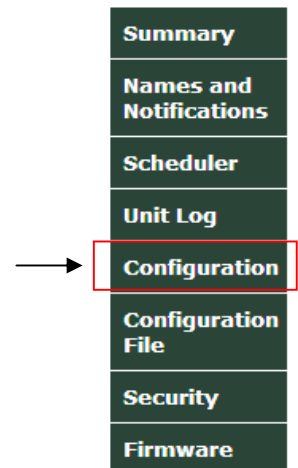
System location (30 Characters)

System contact (30 Characters)

Temperature Units (°F / °C)

Time zone

Reset Interval (in seconds)



Set Up



CAUTION

Incorrect settings may cause the unit to lose network connectivity. If connectivity is lost, hold down the front panel button to restore the unit to its default settings.

Network

Network

CAUTION: Incorrect settings may cause the unit to lose network connectivity. Hold down front panel button to restore defaults.

IP Address:	192.168.0.50
Gateway:	192.168.0.1
Subnet Mask:	255.255.0.0
Primary DNS:	192.168.0.1
Secondary DNS:	0.0.0.0
Host Name:	ITSCOMMANDER

Enter the desired network and system parameters for the unit. [Save Configuration] at the bottom of the page to save changes.



NOTE

Once the default IP address is changed, navigate to the new IP address by entering the following URL in the address bar of the web browser.

http://{new IP address}

Email / SMS

1. Enter the desired Email address in the recipient fields (1– 5)
2. For SMS text messaging use the cellphone carrier SMS gateway for email to SMS.
3. Enter the SMTP Server
4. If required by the SMTP server, enter the Username and Password
5. Select SSL if applicable.
6. Enter the Port



NOTE

Your SMTP server may not require a user name or password.



NOTE

Contact your cell provider for the correct SMS gateway address.

Set Up

SNMP

1. Enter up to 3 Read and Write Communities as desired.
2. Select {Notifications Enabled} if notifications (traps) are desired.
3. Enter the Receiver IP address
4. Enter the community name.

SNMP Communities

Read/Write Community String configuration for SNMPv2c Agent.

Configure multiple community names if you want the SNMP agent to respond to the NMS/SNMP manager with different read and write community names. If less than three communities are needed, leave extra fields blank to disable them.

Read Community 1:	public
Read Community 2:	
Read Community 3:	
Write Community 1:	
Write Community 2:	
Write Community 3:	

SNMP Notifications (Traps)

Notifications Enabled:	☐
Receiver IP Address:	0.0.0.0
Community:	public



NOTE

Please visit www.ITSCOMMANDER.com to download the MIB for the SNMP traps.

Click Save Configuration to save changes

Save Configuration

User Interface Tabs

Summary Tab

The [Summary] tab contains a live status of the following items:

Dry Contact Inputs
Power Outlets
Relays
Current
Voltage
Temperature
Humidity
Analog Inputs
System Parameters



Summary
Names and Notifications
Scheduler
Unit Log
Configuration
Configuration File
Security
Firmware

Name: 336S Enclosure - 001
Location: Lake Mary Blvd
Contact: Jane Doe 800-866-5699

Dry Contact Inputs

☒	INPUT 1
☒	INPUT 2
☒	INPUT 3
☒	INPUT 4
☒	INPUT 5
☒	INPUT 6
☒	INPUT 7
☒	INPUT 8
☒	INPUT 9
☒	INPUT 10
☒	INPUT 11
☒	INPUT 12

Power Outlets

☒	ON	RESET	OUTLET A
☒	ON	RESET	OUTLET B
☒	ON	RESET	OUTLET C
☒	ON	RESET	OUTLET D
☒	ON	RESET	OUTLET E
☒	ON	RESET	OUTLET F
☒	ON	RESET	OUTLET G
☒	ON	RESET	OUTLET H

Unit Information

Can be changed in the [Configuration] tab.

Dry Contact Inputs

Labels can be changed in the [Names and Notifications] tab

Alarm status can be changed in the [Names and Notifications] tab

Dry contact inputs are green when in a non-Alarm status. Default Alarm status is a closed contact.

Dry contact inputs will turn red when in an Alarm status as set in the [Names and Notifications] tab.

Any state change will be reflected in the [Unit Log] tab.

Power Outlets

Labels can be changed in the [Names and Notifications] tab

Outlets are green when on, they are grey when off

Clicking the [ON] / [OFF] slider, will turn the outlet ON or OFF

The reset button momentarily turns the outlet off then back on.

The reset button will Flash while resetting

Default reset interval is 10 seconds, and can be changed in the [Configuration] tab, in the system section

User Interface Tabs

Summary Tab (continued)

Relays

☐	OPEN	RELAY 1
☐	OPEN	RELAY 2
☐	OPEN	RELAY 3
☐	OPEN	RELAY 4
☐	OPEN	RELAY 5
☐	OPEN	RELAY 6

Operating Parameters

Current: 0.0 A
Voltage: 117 VAC
External Temperature: 34 F
External Humidity: not connected
Analog 1: 0 VDC
Analog 2: 0 VDC
Time: 12:35PM 8/16/2014

System Parameters

Firmware Version: v0.6.197
Serial Number: 24
IP Address: 172.24.1.165
Config IP Address: 172.24.1.165
Config Subnet Mask: 255.255.252.0
Config Gateway: 172.24.1.1
DNS #1: 172.24.1.121
DNS #2: 0.0.0.0
MAC: 00:1E:C0:CD:F2:9E

Relays

Labels can be changed in the [Names and Notifications] tab
 Relays are grey when open, they are green when closed
 Clicking the [OPEN] / [CLOSE] slider, will open or close the relay.

Operating Parameters

Current and Voltage are displayed for the unit
 Temperature and Humidity are displayed when sensors are connected, units of measurement can be changed in the [Configuration] tab. Will turn red when upper threshold is exceeded, and blue when lower thresholds are exceeded. Thresholds may be changed in the [Names and Notifications] tab.
 Analog 1 and Analog 2 voltages are displayed when connected
 Network time and date are displayed when configured in a network

System Parameters

Displays all system parameters.
 Can be changed in the [Configuration] tab

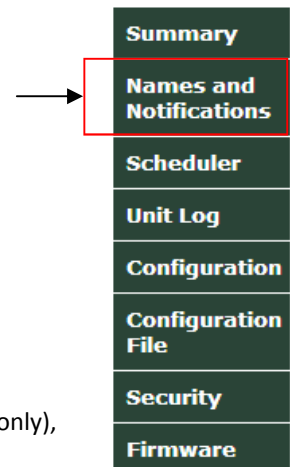
Names and Notifications Tab

The [Names and Notifications] tab allows the user to provide meaningful names for:

- Outlets
- Relays
- Inputs
- Analog Inputs
- Power

This tab also allows the user to set the types of notification requested (for all), alarm state (inputs only), and Lower / Upper Limits (Analog and Environmental inputs).

- Email
- SNMP



User Interface Tabs

Names and Notifications Tab (continued)

Outlets

This allows you to assign meaningful names to an event log.

Port	Name	Notification	
		Email	SNMP
A	OUTLET A	☐	☐
B	OUTLET B	☐	☐
C	OUTLET C	☐	☐
D	OUTLET D	☐	☐
E	OUTLET E	☐	☐
F	OUTLET F	☐	☐
G	OUTLET G	☐	☐
H	OUTLET H	☐	☐

Outlets

Outlet Labels can be changed for each outlet (max 30 characters)

Select Email to receive an email notification (all state changes)

Select SNMP to receive a “trap” notification (all state changes)

Relays

This allows you to assign meaningful names to an event log.

Port	Name	Notification	
		Email	SNMP
1	RELAY 1	☐	☐
2	RELAY 2	☐	☐
3	RELAY 3	☐	☐
4	RELAY 4	☐	☐
5	RELAY 5	☐	☐
6	RELAY 6	☐	☐

Relays

Relay Labels can be changed for each outlet (max 30 characters)

Select Email to receive an email notification (all state changes)

Select SNMP to receive a “trap” notification (all state changes)

Inputs

This allows you to assign meaningful names to inputs and indicate which an event log.

Port	Name	Alarm State	Notification		Email	SNMP
			Re-notification Interval			
1	INPUT 1	closed ▼	hours		☐	☐
2	INPUT 2	closed ▼	hours		☐	☐
3	INPUT 3	closed ▼	hours		☐	☐
4	INPUT 4	closed ▼	hours		☐	☐
5	INPUT 5	closed ▼	hours		☐	☐
6	INPUT 6	closed ▼	hours		☐	☐
7	INPUT 7	closed ▼	hours		☐	☐
8	INPUT 8	closed ▼	hours		☐	☐
9	INPUT 9	closed ▼	hours		☐	☐
10	INPUT 10	closed ▼	hours		☐	☐
11	INPUT 11	closed ▼	hours		☐	☐
12	INPUT 12	closed ▼	hours		☐	☐

Inputs

Input Labels can be changed for each outlet (max 30 characters)

Select the Alarm State of Closed or Open

- Closed (Alarm status is when the contact is closed)

- Open (Alarm status is when the contact is open)

Re-Notification Interval can be set if re-notification is desired after the original alarm notification was sent.

Select Email to receive an email notification (Alarm Status)

Select SNMP to receive a “trap” notification (all state changes)

User Interface Tabs

Names and Notifications Tab (continued)

Analog Inputs

Port	Name	Limits			Notification	
		Lower	Upper		Email	SNMP
A1	ANALOG 1			volts	☐	☐
A2	ANALOG 2			volts	☐	☐

Analog input voltage hysteresis: volts

Analog Inputs

Analog Input Labels can be changed for each outlet (max 30 characters)

Set Lower and Upper threshold limits

Select Email to receive an email notification (threshold limits)

Select SNMP to receive a “trap” notification (threshold limits)

Enter the desired voltage hysteresis (default 1 volt)

Environmental

Name	Limits			Notification	
	Lower	Upper		Email	SNMP
Temperature			°F	☐	☐
Relative Humidity			%	☐	☐

Environmental

Set Lower and Upper threshold limits

Temperature units may be changed in the [configuration] tab.

Select Email to receive an email notification (threshold limits)

Select SNMP to receive a “trap” notification (threshold limits)

Power

Name	Notification	
	Email	SNMP
Power Up	☐	☐
Power Down	☐	☐

Power

Select Email to receive an email notification on Power up or down

Select SNMP to receive a “trap” notification

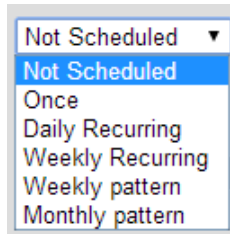
Click Submit to save changes

User Interface Tabs

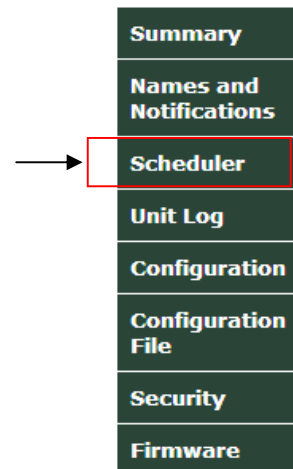
Scheduler Tab

The [Scheduler] tab allows the user to schedule up to 100 events.

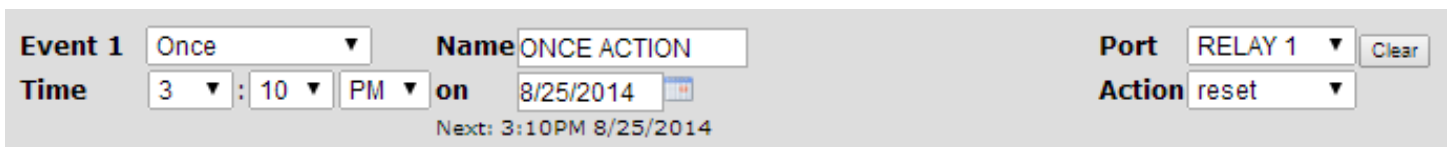
For each event, there are several options:



Not Scheduled ▼
Not Scheduled
Once
Daily Recurring
Weekly Recurring
Weekly pattern
Monthly pattern



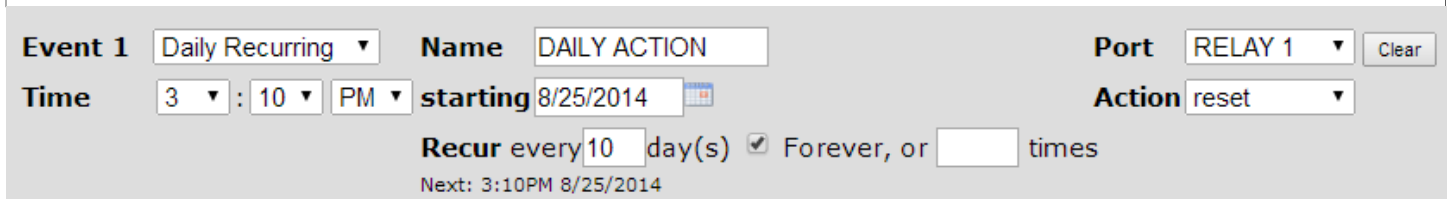
Summary
Names and Notifications
Scheduler
Unit Log
Configuration
Configuration File
Security
Firmware



Event 1 Once ▼ **Name** ONCE ACTION **Port** RELAY 1 Clear
Time 3 : 10 PM **on** 8/25/2014 **Action** reset
Next: 3:10PM 8/25/2014

Once

NAME: Event label can be changed (max 30 characters)
TIME: Time for the desired event
ON: Date for the desired event
PORT : Outlet / Relay to be affected
ACTION: Action taken during the event
NEXT: Lets the user know (after changes have been saved) when the next scheduled action is to take place for that event



Event 1 Daily Recurring ▼ **Name** DAILY ACTION **Port** RELAY 1 Clear
Time 3 : 10 PM **starting** 8/25/2014 **Action** reset
Recur every 10 day(s) ☒ Forever, or times
Next: 3:10PM 8/25/2014

Daily Recurring

NAME: Event label can be changed (max 30 characters)
TIME: Time for the desired event
STARTING: Date for the first occurrence of the desired event
PORT : Outlet / Relay to be affected
ACTION: Action taken during the event
RECUR: Every [#] days, forever or for a specified # of times required
NEXT: Lets the user know (after changes have been saved) when the next scheduled action is to take place for that event

User Interface Tabs

Scheduler Tab (continued)

Item 1	Weekly Recurir ▼	Name	WEEKLY ACTION	Outlet	OUTLET A ▼	Clear
Time	4 ▼ : 00 ▼ PM ▼	starting	8/6/2014 	Action	off ▼	
Next: 4:00PM 8/26/2014						
Recur every 10 week(s) ☒ Forever, or times						

Weekly Recurring

NAME: Event label can be changed (max 30 characters)

TIME: Time for the desired event

STARTING: Date for the first occurrence of the desired event

OUTLET / RELAY : Outlet / Relay to affected

ACTION: Action taken during the event

RECUR: Every [#] weeks, forever or for a specified # of times required

NEXT: Lets the user know (after changes have been saved) when the next scheduled action is to take place for that event

Item 1	Weekly pattern ▼	Name	WEEKLY PATTERN	Outlet	RELAY 1 ▼	Clear
Time	3 ▼ : 10 ▼ PM ▼	on	☐ Sun ☒ Mon ☐ Tue ☒ Wed ☒ Thu ☐ Fri ☐ Sat	Action	reset ▼	
Next: 3:10PM 10/28/2014						

Weekly Pattern

NAME: Event label can be changed (max 30 characters)

TIME: Time for the desired event

ON: Days of the week when the event is to occur

OUTLET / RELAY : Outlet / Relay to affected

ACTION: Action taken during the event

NEXT: Lets the user know (after changes have been saved) when the next scheduled action is to take place for that event

User Interface Tabs

Scheduler Tab (continued)

Item 1	Monthly pattern ▾	Name	MONTHLY PATTERN	Outlet	RELAY 1 ▾	Clear
Time	3 ▾ : 10 ▾ PM ▾ on	Days of month (e.g. 1,6,15)	2,4,5	Action	reset ▾	
Next: 3:10PM 10/28/2014						
☐ Jan ☐ Feb ☐ Mar ☒ Apr ☐ May ☐ June ☐ July ☐ Aug ☐ Sept ☒ Oct ☐ Nov ☐ Dec						

Monthly Pattern

NAME: Event label can be changed (max 30 characters)

TIME: Time for the desired event

ON: Days of the month when the event is to occur (multiple may be separated by a coma)

OUTLET / RELAY : Outlet / Relay to affected

ACTION: Action taken during the event

MONTHS: Select months in which the event is to occur

NEXT: Lets the user know (after changes have been saved) when the next scheduled action is to take place for that event



NOTE

Ensure to click SAVE after making the desired changes.



NOTE

The first screen always shows the first 10 events, to see more events click NEXT at the bottom of the page.



NOTE

Up to 100 events may be scheduled

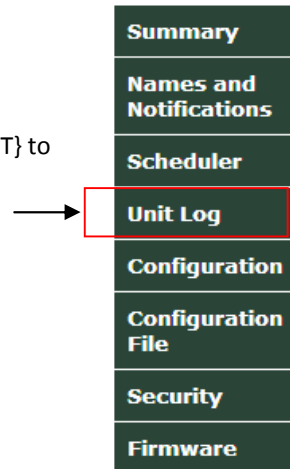
User Interface Tabs

Unit Log

The [Unit Log] tab allows the user to view, download and set the interval for system status log.

Select a records start date and click {Retrieve Log}, the first 10 log entries are displayed. Click {NEXT} to navigate trough further entries.

To download the log file. Select the records start and stop date.



Log records Start Date: 8/20/2014

An asterisk * indicates a change in this since the last event

#	Date	Outlets	Relays	Inputs	Voltage	Temp	ANALOG 1	ANALOG 2	Humidity	Power
		OUTLET A OUTLET B OUTLET C OUTLET D OUTLET E OUTLET F OUTLET G OUTLET H OUTLET I OUTLET J	RELAY 1 RELAY 2 RELAY 3 RELAY 4 RELAY 5 RELAY 6	INPUT 1 INPUT 2 INPUT 3 INPUT 4 INPUT 5 INPUT 6 INPUT 7 INPUT 8 INPUT 9 INPUT 10 INPUT 11 INPUT 12	Current					
0	8/19/2014 15:03:10				---V ---A	---°F ---	---V ---V	---	---	
1	8/20/2014 09:07:30	*			113V 0A	34°F	0.0V 0.0V	0%		
2	8/20/2014 09:07:50	*			114V 0A	34°F	0.0V 0.0V	0%		
3	8/20/2014 10:02:16				113V 0A	34°F	0.0V 0.0V	0%		
4	8/20/2014 10:02:37				---V ---A	---°F ---	---V ---V	---	---	
5	8/20/2014 10:07:57	*			112V 0A	86°F	0.0V 0.0V	0%		
6	8/20/2014 10:08:17	*			112V 0A	86°F	0.0V 0.0V	0%		
7	8/20/2014 11:11:57		*		114V 0A	87°F	0.0V 0.0V	0%		
8	8/20/2014 11:12:17		*		114V 0A	87°F	0.0V 0.0V	0%		
9	8/20/2014 11:14:17	*	*		114V 0A	87°F	0.0V 0.0V	0%		

Log records Start Date: 8/20/2014

Note: Start Date precedes Stop Date in time



NOTE

An asterisk * indicates a change in the status since the last event recording.



NOTE

The unit is able to save thousands of records. When the unit reaches the end of the allocated log memory, the oldest record will be over written. Download the log periodically in order to avoid losing data.

User Interface Tabs

Configuration

The [Configuration] tab allows the user to configure the unit as desired.

This tab is covered in the SET UP section of this manual

Configuration File

The [Configuration File] tab allows the user to download and upload saved configurations.

In order to ease the set up of multiple units, the configuration may be downloaded and saved in a user defined location.

The configuration file may also be uploaded into a unit.

Items covered in the configuration file:

Schedule

Names and Notifications

Summary
Names and Notifications
Scheduler
Unit Log
Configuration
Configuration File
Security
Firmware



Download Configuration

Select configuration file to be uploaded.
File: Choose File No file chosen Upload Configuration

To download a configuration file

1. Click {Download Configuration}
2. File will automatically download
3. Move file to desired location



NOTE

Different internet browsers require permissions to download this type of file. Contact your systems administrator for assistance in downloading the configuration file.

To upload a configuration file

1. Click {Choose File}
2. Navigate to the configuration file desired
3. Click {Upload Configuration}
4. Configuration is not loaded into the unit

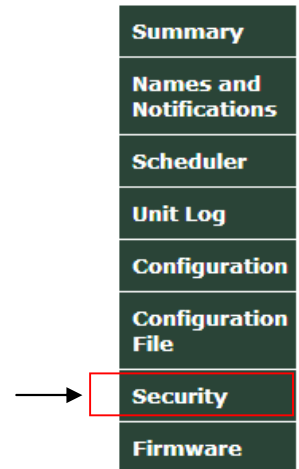
User Interface Tabs

Security

The [Security] tab allows the user to change the password assigned to the unit

To change the password:

1. Enter the old password (Default: its)
2. Enter the new password
3. Click {Change Password} to enact changes.

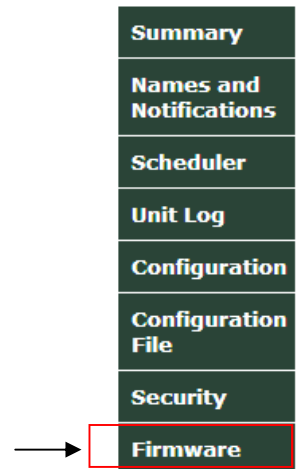


Firmware

The [Firmware] tab allows the user to change the download firmware updates. Please visit www.ITSCOMMANDER.com to download firmware updates for this unit.

To download a firmware update:

1. Click {Choose File}
2. Navigate to the downloaded firmware file
3. Click {Upload}
4. Once the file has uploaded, verify that the new firmware version appears as a Staged firmware version, to un-do the staging simply click {unstage}
5. Click {Reset} to apply the new firmware



Running firmware version: 0.6.197

Staged firmware version: 0.6.197

File: No file chosen



NOTE

Please visit www.ITSCOMMANDER.com for firmware updates

Technical Assistance



NOTE

Please visit www.ITSCOMMANDER.com for Q & A and Technical Assistance. You may also email us at contactus@ITSCOMMANDER.com or phone us at (800) 866-5699



ITS COMMANDER Three Year Limited Warranty

Earnest Products, Inc., (EP) warrants the ITS Commander, when properly installed and operated as outlined in the user's manual, against faulty materials or workmanship for a period of three (3) years from the earlier of the date it is placed in service or 120 days from shipment.

This device is intended to be installed after the appropriate primary surge device and is not intended to replace or preform the function of primary surge protection. In addition, it is recommended that secondary surge protection be used on the relays if they are connected to external devices such as cameras. The unit is intended to be powered from a properly wired and grounded outlet with the cord that is supplied with the unit. EP warranty is limited to replacement of the device with a new or remanufactured device at the sole discretion of EP.

THIS WARRANTY SPECIFICALLY EXCLUDES DAMAGE CAUSED BY IMPROPER INSTALLATION, DAMAGE CAUSED BY A THE INSTALLER, DAMAGE CAUSED BY ROADWAY TRAFFIC, ACTS OF VANDALISM, ACTS OF GOD, NORMAL WEAR AND TEAR, MODIFICATIONS OR ALTERATION OTHER THAN NORMAL MAINTENANCE, OR OTHER OCCURANCES OUTSIDE OF THE SELLERS CONTROL. THIS WARRANTY DOES NOT OBLIGATE SOUTHERN TO BEAR ANY TRANSPORTATION, REMOVAL OR INSTALLATION CHARGES IN CONNECTION WITH THE INSPECTION, REPAIR, OR REPLACEMENT OF DEFECTIVE PARTS. EARNEST PRODUCTS, INC. OBLIGATION UNDER THIS WARRANTY SHALL NOT INCLUDE ANY LIABILITY FOR DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGES OR DELAYS.

The purchaser assumes the responsibility for properly completing, installing, and grounding the enclosure in accordance with applicable industry standards, local electrical and safety codes, and any other applicable standards.

THIS WARRANTY CONSTITUTES THE ENTIRE WARRANTY WITH RESPECT TO THIS PRODUCT AND IS IN LIEU OF ALL OTHERS, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OR OF MERCHANTABILITY AND WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND IN NO EVENT IS EARNEST PRODUCTS, INC. RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER.