

## OVERVIEW

Designed for Wireless Internet Service Provider (WISP) applications the WxC24 series of controllers provide power, monitoring and management of Access Point and Repeater Sites. Optimized for operation with wireless equipment operating from 24 VDC they are capable of supplying up to 60W.

## BENEFITS

- Proactive monitoring and control of Access Points and Repeater sites. Avoid technical support calls to reset locked up equipment. Up to six Ethernet attached wireless units may be monitored.
- Powered devices can be configured to be rebooted weekly at a specified time.
- Models available for either 110 to 240 VAC or 18 to 24 VDC operation.
- Remote reporting of system status based on defined events.
- Web based management.
- Software upgradeable



## FEATURES

- **Reporting**  
Web management allows any of the automatically monitored parameters to be viewed using a web browser. The WxC24 can be configured to send email reports in the event of a parameter exceeding defined criteria.
- **Power Management**  
The two DC outputs can be switched either on or off remotely through the web management interface or through rules set up based on time of day or failure of a monitored parameter.
- **Device Monitoring**  
Up to six Ethernet attached devices may be monitored and actions to be taken based on the monitoring results. The two managed DC outputs allow the power control of Access Point wireless units to be separated from the power control of wireless units used for backbone links.
- **Software Upgradeable**  
The WxC24 can be software upgraded to take advantage of new features. The upgrade can be done remotely without affecting operation of the attached powered or monitored devices.

## MODELS

- **WAC24**

This model which has a 110 to 240 VAC input with dual 24 VDC outputs is optimized for operation with wireless products providing monitoring, power management and reporting.

Models: WAC24 – 24V  
 Accessories: 110v power cord – 3 ft  
 DC output connectors – 2  
 Options: DC power cord (18") to connect to Tranzeo PoE unit



- **WDC24**

This model has the same capabilities as the WAC24 model, but has a DC power input instead of the AC power input. This allows existing power supplies, from 18V to 24V DC, to be used while adding the reporting, management and monitoring features.

Models: WDC24  
 Accessories: DC input connector – 1  
 DC output connectors – 2  
 Options: DC power cord (18") to connect to Tranzeo PoE unit



## MANAGEMENT

The controllers are monitored, configured and controlled using web based management. Two levels of user access provide added security for the administrative functions. The Monitor user can only access the Monitoring web page; Admin user capability is required to access the Configuration and Administration web pages.

### Monitoring – WAC24

The monitoring page provides a status display of the monitored functions. Fault conditions are shown in red, disabled functions are shown in gray.



Power Controller Monitoring

<b>Model:</b> WAC24	<b>Location:</b> Savanna AP	
<b>Serial #:</b> 0090C2-CFECA9	<b>Software:</b> 0.91	
<b>Power Input:</b>	● 110V	
<b>Power Outputs:</b>	● DC Output #1	● DC Output #2
<b>Device Monitoring:</b>	● 10.206.236.17	● 10.206.236.217
	● 10.206.236.130	● 10.206.236.121
		● 10.206.236.131
		● 10.206.236.7

## Monitoring – WDC24

The WDC24 has the same monitor display format as the WAC24, but shows the different power source, that is a DC power input.



**Power Controller Monitoring**

**Model:** WDC24      **Location:** Golden Bear AP  
**Serial #:** 0090C2-CFEC16      **Software:** 0.91

**Power Input:** ● DC Input

**Power Outputs:** ● DC Output #1      ● DC Output #2

**Device Monitoring:** ● 10.206.236.12      ● 0.0.0.0      ● 0.0.0.0  
 ● 10.206.236.212      ● 10.206.236.119      ● 0.0.0.0

## Configuration

The functions to be monitored and their associated parameters are configured.

Control of the two DC outputs can be configured based on monitoring results or time of day. E.g. This enables an attached device to be rebooted once a week on a particular day at a specific time.

Email reporting can be configured to occur on the results of monitoring result conditions.



**Power Controller Configuration**

**Power Output:** DC Output 1:  DC Output 2:  Power Off Time:

**Power Cycle:** DC Output 1:  Weekday:  Time:  Time Off:   
 DC Output 2:  Weekday:  Time:  Time Off:

Monitoring:	Enabled	IP Address	S/W Output	Time Off
<input checked="" type="checkbox"/>	<input type="text" value="10.206.236.17"/>	<input type="text" value="1"/>	<input type="text" value="30 sec"/>	
<input checked="" type="checkbox"/>	<input type="text" value="10.206.236.217"/>	<input type="text" value="2"/>	<input type="text" value="30 sec"/>	
<input type="checkbox"/>	<input type="text" value="10.206.236.131"/>	<input type="text" value="2"/>	<input type="text" value="30 sec"/>	
<input checked="" type="checkbox"/>	<input type="text" value="10.206.236.130"/>	<input type="text" value="2"/>	<input type="text" value="30 sec"/>	
<input checked="" type="checkbox"/>	<input type="text" value="10.206.236.121"/>	<input type="text" value="2"/>	<input type="text" value="30 sec"/>	
<input checked="" type="checkbox"/>	<input type="text" value="10.206.236.7"/>	<input type="text" value="2"/>	<input type="text" value="30 sec"/>	

Test Sequence:  Test Threshold:  Test Interval:

**Reporting:**  Event Reports

**Real Time Clock:** Date/Time (mm/dd/yy hh:mm:ss):

## Administration

The device configuration parameters, security levels and email reporting parameters are configured from this page.



**Power Controller Administration**

**Ethernet:** IP Address:  DNS Servers:   
 Gateway:    
 Subnet Mask:

**Device:** Name:  Location:

**Security:** User Name:   
 Password:  Re-enter Password:   
 Administrator Name:   
 Password:  Re-enter Password:

**Email:** Send Address:   
 Device Address:   
 Password:  Re-enter Password:   
 SMTP Server Address:

## PRODUCTS

Specification	Product	
	WAC24	WDC24
AC Power Input	100 ~ 240V 47 ~ 63 Hz	
DC Power Input		18 ~ 24 VDC
DC Outputs	Dual 24 VDC 1.5 A per output, 2.5A max. (60W)	Dual output, voltage dependent on DC input 1.5A per output
DC Output Control	Outputs may be switched based on rules or time of day	
Indicators (LEDs)	System Status DC Power Status (2)	System Status DC Power Status (2)
Monitoring	Power source status DC output status	Power source status DC output status
Management	Web based with two levels of security	
Alerts	Email	
Management Interface	Ethernet 10BaseT	
Monitored Devices	Up to six Ethernet attached devices	
Operating Temperature	0 <sup>o</sup> C to 70 <sup>o</sup> C 32 <sup>o</sup> F to 158 <sup>o</sup> F	
Dimensions (w x h x d)	6.25" x 7.6" x 2"	4.8" x 5.3" x 1.5"
Warranty	1 year	

## ORDERING

Contact [sales@winters-broadband.com](mailto:sales@winters-broadband.com) for pricing and availability.

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