Technical Bulletin

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Subject:	Setup Instructions for the E-mail Alerts Function of the Oasis Central Irrigation Water Management
Page 1 of 16	Soltware
	Oppin Control Control Custom
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1.0 INTRODUCTION

The Oasis Central Irrigation Water Management System has an E-mail Alerts function that will send alarm notifications to any e-mail address or any cell phone that has SMS (Short Message Service, more commonly known as text messaging) capability. Alarm notifications may include flow and amperage violations, weather alarms for rain, wind and ET (EvapoTranspiration), and controller communication failures.

In addition to the E-mail Alerts function, the Oasis Central Irrigation Water Management System allows the user (Project Administrator) to setup unique login and password accounts for multiple users. Specific controllers are then assigned to these individual accounts. These user specific logins limit the individual user's access to the controllers that have been assigned to them. The individual user then has the ability to input up to four E-mail Alerts.

NOTE: Each unique user login may have up to four E-mail Alerts. The four E-mail Alerts are a combination of e-mail addresses and/or SMS addresses.

The purpose of this document is to provide the user with the information required to enable the E-mail Alerts function of the Oasis Central Irrigation Water Management software. The following pages of this document provide specific instructions, complete with screen capture menus, for required setup changes within the Microsoft Windows XP® Professional computer operating system and the Oasis Central Irrigation Water Management software.

Upon successful completion of these instructions, the user may test the E-mail Alerts function by way of the Send Test button provided within the Oasis Central Irrigation Water Management System Software. A sample E-mail is depicted in Figure 1.



FIGURE 1 – Test E-Mail from Oasis Central



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2.0 SETUP REQUIREMENTS

- 2.1 Oasis Central Irrigation Water Management software pre-installed on a computer with the Microsoft Windows XP® Professional Operating System.
- 2.2 The E-mail Alerts option requires an internet connection.
- 2.3 Close all Windows programs before installation.
- 2.4 This process may require the original Microsoft Windows XP® Professional Installation Disc.
- 3.0 E-MAIL ALERTS SETUP INSTRUCTIONS Microsoft Windows XP® Professional Operating System
 - 3.1 Open the *Control Panel* from the Windows Start button; the menu path is Start, Control Panel...or...Start, Settings, Control Panel. The Control Panel menu is displayed as depicted in Figure 2.



FIGURE 2 – Control Panel Menu

3.2 Double click on the *Add or Remove Programs* icon to open the menu as depicted in Figure 3.



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Add or Re	nove Programs			
	Currently installed programs:	Show up <u>d</u> ates	Sort by: Name	~
C <u>h</u> ange or Remove	1-Step RoboPDF 3.1			
Programs	🚰 Adobe Flash Player 9 ActiveX			
2	Click here for support information.			
Add New	To change this program or remove it from your compute	er, click Change/Remove.	Chang	e/Remove
rograms	📙 Adobe Reader 8.1.0		Size	86.50MB
-	🛃 Agere Systems AC'97 Modem			
9	am AM		Size	38.65MB
d/Remove	🛱 ATI Display Driver			
mponents	Roadcom 802.11 Driver			
~	🛞 Complete Control Suite		Size	0.77MB
	🍪 Diskeeper Professional Edition		Size	8.60MB
t Program	Soogle Earth		Size	33.81MB
Defaults	📀 Google Toolbar for Internet Explorer		Size	6.73MB
	🚓 Google Updater		Size	2.47MB
	🛃 HP Product Detection		Size	0.48MB
	lange Keyspan USB Serial Adapter		Size	0.95MB
	Net Microsoft .NET Compact Framework 1.0 SP3 Developer		Size	9.87MB
	.net Microsoft .NET Compact Framework 2.0		Size	59.27MB

FIGURE 3 – Add or Remove Programs Menu

3.3 Click on *Add/Remove Windows Components* as depicted in Figure 3. The Windows Components Wizard will open as depicted in Figure 4.

Windows Components Wizard	
Windows Components You can add or remove components of Windows XP.	t
To add or remove a component, click the checkbox. A shaded part of the component will be installed. To see what's included in Details.	box means that only n a component, click
Components:	
🗹 🥶 Internet Explorer	0.0 MB 🔼
Internet Information Services (IIS)	13.5 MB
An anagement and Monitoring Tools	2.0 MB
Contraction Contra	0.0 MB
MSN Explorer	20.7 MB 💌
Description: Includes Web and FTP support, along with support transactions, Active Server Pages, and database of Total disk space required: 56.5 MB Space available on disk: 20266.7 MB	t for FrontPage, connections. Details
< Back	Next > Cancel
FIGURE 4 – Windows Components V	Vizard Menu

RAIN MASTER

3.4 Select the checkbox next to the *Internet Information Services (IIS)* option and then click *Next*.

NOTE: If the (IIS) checkbox is already checked, click on *Cancel* and then proceed to Step 3.10.

3.5 The installation will now proceed and the *Windows Components Wizard* menu is displayed as depicted in Figure 5.

Windows Components Wizard	
Configuring Components Setup is making the configuration changes you requested.	E
Please wait while Setup configures the components. This may take several minutes, depending on the components selected.	
Status: Copying files	
< <u>B</u> ack Next >	Cancel

FIGURE 5 – Windows Components Wizard Menu

3.6 You may be prompted to insert the Windows XP® Professional Installation Disc into the CD-ROM drive as depicted in Figure 6. Insert the CD as instructed and then click on OK.





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3.8 Upon completion of the installation the *Windows Components Wizard* menu will appear as depicted in Figure 8. Click on *Finish* and remove the CD from the drive.



FIGURE 8 – Windows Components Wizard Menu



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- 3.9 Close the Add/Remove Windows Components menu.
- 3.10 The **Control Panel** menu as depicted in Figure 9 should still be open from Step 3.1. (If not, the menu path is Start, Control Panel...or...Start, Settings, Control Panel). Double click on the **Administrative Tools** icon.



FIGURE 9 – Control Panel Menu

3.11 The *Administrative Tools* menu is displayed as depicted in Figure 10. Double click on the *Internet Information Services* icon.





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FIGURE 11 – Internet Information Services Menu

- 3.13 Expand the menu tree on the left side of the *Internet Information Services* menu as shown in Figure 11. Cursor over *Default SMTP Virtual Server* and then click the right mouse button to display the drop-down menu. From the drop-menu select *Properties*.
- 3.14 The *Default SMTP Virtual Server Properties* menu is displayed as depicted in Figure 12. Select the *Access* tab as shown and then click on the *Connection* button.

Default S	MTP Vi	tual Serv	er Prope	rties		(? 🕨
General	Access	Messages	Delivery	LDAP R	louting S	ecurity	
Acce Edit reso	ss control- the auther urce.	ntication met	hods for thi	s	Authen	tication]
Secu Viev metł acci	re commur v or set the hod used v essed.	nication secure corr vhen this virt	munication ual server i	15 S	Certif	icate nication	
- Conn Grat IP a	ection con nt or deny ddresses c	trol access to thi ir Internet do	s resouce : main name	using s.	Conne	ection	
Relay Gran throi	restriction nt or deny ugh this St	s permissions I 4TP virtual s	o relay e-m erver.	ail	Re	lay	
		ок (Cancel		Apply	Не	elp

FIGURE 12 – Default SMTP Virtual Server Properties Menu



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Connection		×
Select which o	computers may access this virtual server: e list below ept the list below	
Lomputers:	IP Address (Mask) / Domain Name	
Add	Remove	
	OK Cancel Help	

FIGURE 13 – Connection Menu

3.16 The *Computer* menu is displayed as depicted in Figure 14.

Computer	×
Add one of the following to the list. Single computer	
DNS Lookup	
Group of computers Subnet address: Subnet mask:	_
C Domain	
OK Cancel Help	

FIGURE 14 – Computer Menu



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FIGURE 15 – Command Prompt Window

3.18 In the Command Prompt window, type *IPCONFIG* and then press *Enter*. The IP Address is identified in the information returned as depicted in Figure 16. In this instance, the IP Address is 192.168.1.100. Make a note of the IP Address so that you may enter it where instructed to do so and then close the Command Prompt window.



FIGURE 16 – Command Prompt Window



3.19 In the Computer menu depicted in Figure 17, select the **Single computer** radio button and enter the IP Address from Step 3.18. Click on **OK** to save.

Computer	
Add one of the following to the list.	
Single computer	
IP address:	
and the second second	DNS Lookup
G Group of computers	
Subnet address:	Subnet mask:
C Domain	
Name:	
,	
OK Ca	ancel Help

FIGURE 17 - Computer Menu

3.20 The Connection menu is displayed as depicted in Figure 18. Click on OK.

Connection	N 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997
Select which comp	outers may access this virtual server: below he list below
Access	IP Address (Mask) / Domain Name
Add	192.168.1.71 Remove
	OK Cancel <u>H</u> elp

FIGURE 18 – Connection Menu



3.21 The *Default SMTP Virtual Server Properties* menu is displayed as depicted in Figure 19. Click on the *Relay* button.

Default SMTP Virtual Server Properties 🛛 🕐 🔀
General Access Messages Delivery LDAP Routing Security
Access control Edit the authentication methods for this resource. Authentication
Secure communication View or set the secure communications method used when this virtual server is accessed. Certificate Communication
Connection control
Grant or deny access to this resouce using Connection
Relay restrictions Grant or deny permissions to relay e-mail through this SMTP virtual server.
OK Cancel Apply Help

FIGURE 19 – Default SMTP Virtual Server Properties Menu

3.22 The *Relay Restrictions* menu is displayed as depicted in Figure 20.

Relay Restrictions	
Select which computer m	nay relay through this virtual server:
Only the list below	,
C All except the list t	below
Computers:	
Access	IP Address (Mask) / Domain Name
	1
Add Hen	nove
Allow all computers w of the list above.	which successfully authenticate to relay, regardless
	UK Cancel Help
FIGURE 20	- Relay Restrictions Menu



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- 3.23 Refer to Figure 20. Select the *Only the list below* radio button.
 - NOTE: Be sure that the checkbox next to... Allow all computers which successfully authenticate to relay, regardless of the list above. ...is <u>NOT CHECKED</u> and then click on the Add... button.
- 3.24 The *Computer* menu is displayed as depicted in Figure 21. Select the *Single computer* radio button, enter the IP Address from Step 3.18 and then click on *OK*.

Computer	
Add one of the following to the list.	
Single computer	
IP address:	
and a second	DNS Lookup
Group of computers	
Subnet address:	Subnet mask:
🔿 Domain	
Name:	
OK	Cancel Help

FIGURE 21 – Computer Menu

3.25 The *Relay Restrictions* menu is displayed as depicted in Figure 22. Click on *OK* to return to the Default SMTP Virtual Server Properties menu.

Relay Restriction	ons		
Select which com © Only the lis © All except t Computers:	puter may relay through this virtual server t below he list below		
Access	Access IP Address (Mask) / Domain Name		
	192.168.1.71		
<u>A</u> dd Allo <u>w</u> all comp of the list abov	<u>Remove</u> uters which successfully authenticate to /e.	relay, regardless	
	UK Cancel	<u>H</u> elp	

FIGURE 22 – Relay Restrictions Menu



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Default SMTP Virtual Server Properties						
General	General Access Messages Delivery LDAP				Routing Security	
Access control Edit the authentication methods for this Authentication						
Secure communication View or set the secure communications method used when this virtual server is accessed. Communication						
- Conn Grar IP a	ection con nt or deny ddresses c	itrol access to thi or Internet do	s resouce i main name	using s.	Connection	
Relay restrictions Grant or deny permissions to relay e-mail Relay through this SMTP virtual server.						
		ок (Cancel		Apply H	lelp

FIGURE 23 – Default SMTP Virtual Server Properties Menu

- 3.27 This completes the E-mail Alerts setup for the Microsoft Windows XP® Professional operating system.
- 3.28 Close all open windows.
- 4.0 E-MAIL ALERTS SETUP INSTRUCTIONS Oasis Central Irrigation Water Management Software
 - 4.1 Launch the Oasis software application by double clicking the desktop shortcut icon.
 - 4.2 When prompted, enter the *ID:* and *Password:* and then press *Enter*.
 - 4.3 Navigate to the *E-Mail Alerts* menu. The menu path is Central System, Setup, User Settings, E-Mail Alerts. The User Setup menu will be displayed as depicted in Figure 24.



User Settings Controller Assignment User # 1 User ID: RainM	E-Mail Alerts	Alarms: 💿 Controller	O Weather O Central / Repeater /	/ Base Radio
User E-Mail: 1. 2. 3. 4. Send Test >> * Leave smtp blank if using IIS smtp:	Controller Alarms: Flow Low Limit Flow Up Limit Water Limit Amp Up Limit Amp Low Limit Main Flow (MV) Rain Limit Hour Rain Limit Day On Line Off Line < Check All >	Communications Lost Wind Low Limit Wind Up Limit Power Failure Power On Program Upload Unscheduled Flow Short Circuit Auto Limit Abort Uncheck All	Flow Max Alarms: Flow Max Low Limit Flow Max Up Limit Flow Max Multiple Flow Meter 1 Flow Max Multiple Flow Meter 2 Flow Max Multiple Pump Flow Max Multiple Master Valve 1 Flow Max Multiple Master Valve 2 < Check All >	Flow Max Multiple N.O. Flow Max Station Advan Flow Max Stop Water Flow Max Comm Failure Flow Max Comm Restore Flow Max Main Flow Vuncheck All >

FIGURE 24 – User Setup

4.4 Populate the **User E-Mail** list with up to four e-mail addresses and/or SMS addresses and then select the type of alarm notifications you would like to receive from the lists provided.

NOTE:	Examples of SMS addresses for the different wireless carriers;			
	AT&T Wireless	1234567890@mmode.com		
	Cingular Wireless	1234567890@mms.mycingular.com		
	Sprint PCS	1234567890@messaging.sprintpcs.com		
	Verizon Wireless	1234567890@vtext.com		
	T-Mobile	1234567890@tmomail.net		
	Nextel	1234567890@messaging.nextel.com		
	U.S. Cellular	1234567890@email.uscc.net		

- 4.5 Refer to Figure 24. After the User E-Mail list has been established and the alarm types have been selected, you may send a test e-mail to all of the addresses listed. Click on the *Send Test>>* button and a sample e-mail notification will be sent as depicted in Figure 25.
 - NOTE: It may be necessary to add *oasiscentral@rainmaster.com* to your Spam Filter acceptable e-mails list.





FIGURE 25 – Test E-Mail from Oasis Central

4.6 Refer to Figure 24. Click **OK** to save the changes and close the User Setup menu.

End of Bulletin



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