

EZ3 Series Email Feature Guide

This guide will show you the basics to setting up your Email for the EZ3 HMI. After setting this feature up in the programming software with versions 6.2 and firmware K.5.80 and up. You will be able to receive emails with information like; Date Time, Numeric tags, discrete tags and ASCII tags. These can be triggered via tag based or set to a schedule.





First we can start out with having an existing network already in place. On a PC connected to the network, your EZ-Programming Software version 6.2+, and the EZ3 series HMI.

Open up your software and select your project. Select Remote Access then Email setup.

File Edit Screen Objects Draw Panel Setup	Remote Access Window Help	
📽 D 🖬 🐰 勉強の ベ 💽 🖨 💡 🕅	Remote Card IP Address	B B G W W B B 6 16
0 0 💽 😤 🕅 👭 INI 📴 💷 🗱 🌞 🔽 🔾	Remote Users	U U U U U F F F
A AI AI 🗛 🖻 器 🛠 🖬 🖥 🗟 🗖	Email Setup	
(+ + → T + ± 1 ⊞ □ =	Upgrade Remote Card Firmware	
	opgrade nemote card rimmarca.	

The first tab is the **Email server Setup**; this will appear with your network information regarding your SMTP server.

Setup Email	-			<u> </u>
Email Server Setup Ala	m Email Setup E	mail Reciepents	Schedule Email	
Outgoing Server(SMT	°) 0.0	. 0 . 0	Domain Name Lookup	
Port No. (SMT	P) 25			
Encryption Typ	e None 🔻]		
SMTP requires a	autentication			
User Name				
Password				
			OK Cancel	Help

EZ3 EMAIL APPLICATION GUIDE **EZAutomation**

SMTP Server: An SMTP server is a computer that receives outgoing mail messages from users and routes them to their intended recipients. All SMTP servers implement some version of the Simple Mail Transport Protocol, and many that run UNIX use the send mail program.

In the Outgoing Server (SMTP) field you can place an IP here. If you already know the IP you can manually enter it or have the software find it for you. Click on the Domain Name Lookup and this window (below) will appear.

Domain Nar	ne Lookup	23
Domain Nar	ne	
	Lookup	
IP L	ist	
		Use Selected IP
		Close

You want to enter the Domain Name here; you can find the domain name of your PC by following these steps.

If your organization uses Active Directory domains to manage its network, you might need to know which domain a computer belongs to so that you can access other computers and resources on the network.

- 1. Open System by clicking the **Start** button⁽¹⁾, clicking **Control Panel**, clicking **System and Maintenance**, and then clicking **System**.
- If your computer is connected to a domain, under Computer name, domain, and workgroup settings, you will see the name of the domain your computer belongs to. If your computer is connected to a workgroup, you will see the name of the workgroup your computer belongs to.

EZ3 EMAIL AP	PLICAT	ION GUIDE		tomation
	Domain Name	Lookup	23	J
	Domain Name	100.000]
		Lookup		
	IP List	10.1.200.5 10.1.200.6 10.1.200.7	Use Selected IP	
			Class	

After entering your Domain Name press Lookup and a list of IP's will appear. Select the one you want to use and push close. This should be all automatic and populate for you.

If you did not select the correct Domain this error will appear:



There is also a check mark box for SMTP requires authentication field. Please check if a then needed enter your User Name and Password.

SMTP requires autentication			
User Name			
Password			

On the next Tab you have this screen as shown below **Alarm Email Setup**. This is where you will enter the HMI's email address. You can send a test setup

Setup Email
Email Server Setup Alam Email Setup Email Reciepents Schedule Email
Sender email address Send Test E-Mail
Alam Email Setup
Subject Line:
Append Alarm Message to Subject Line
Email Body (Max 1000 char including Alarm message if appended)
· · · · · · · · · · · · · · · · · · ·
4 ×
Append Alarm Message Details to Body
OK Cancel Help

This window will only work if the Outgoing SMTP Server is setup. In this window you are able to send a test email to see if you configured the email setup correctly. Enter a Subject line and a body for your email. There are boxes you can check for options to append Alarm messages.

The next tab is the **Email Recipients** field. Here is where you will setup a list of contacts that will receive and email. You can use a tag to enter emails with the HMI or just a constant to create a list of emails to send. Every time you create a tag or constant "Add New Email" to add to the list.

S	etu	ıp Email	1.44		×
	Е	mail Server Setup	Alarm Email Setup	Email Reciepents	Schedule Email
		Alarm marked for e	mails, when tiggered	, will sent to everyor	ne in the list
		EXAMPLE@avg.	net	Add New Emai	I Address
		EXAMPLE1@avg	j.net	Tag	
	5		, not	Constant	EXAMPLE2@avg.net
				<< Add New	Email
				Edit Selected	Email Address
				⊚ Tag	· · · · · · · · · · · · · · · · · · ·
				Constant	
				<< Edit Selec	ted Email
				Delete Select	
				Delete Delete	
	OK Cancel Help				

You can send an email via a tag or just an email that will go into a list. If you select a tag based email you can change the email recipients on the HMI using a TEXT object. I would recommend setting the max characters to 40. Keep in mind this is an ASCII_STRING data type so two characters will take up one register. So a 40 character ASCII message will take up 20 registers.



Using Text Entry to create an email in the HMI



With this object you can enter an email with in the HMI. Assign a tag name with this object and map it to the email feature.

Text Entry		×			
General Protection Visibility/Details					
Label Text					
Language 1 💭 Character S	bize 6x8 -]			
Label Text TEXT ENTRY]			
Position Color	Text				
Bottom Backg					
		Display Frame			
String Tag FMAII					
	Justification				
Size 16x32 -	Horizontal	Vertical			
Color	C Left	🔘 Тор			
Text 📃 🗾 Blink	Center	Ocenter			
Background 📃 🗾 Blink	Right	Bottom			
OK Cancel Help					

Keep in mind we only support 40 charaters, I would set this to max 40 shown below.

ADD	NEW TAG DETAI	LS	x		
	Enter Tag Details for the Tag				
		EMAIL			
	(PLC Ty	pe: AVG EZPLC - Revid (
	Address String	R1			
	Exp	ected IO Type : R/W or ROnly			
	Data Type	ASCII_STRING -			
	No. of Chars	40			
	📃 Initial Value/Re	etentive			
	Initial Value				
	Retentive				
	ОК	Cancel Help			

You now can enter an email on the HMI using the Text entry button. To get to other symbols and punctuation push the CAP button to scroll through different options.



The last tab is the "**Schedule Email**". This is where you will set up your actual email that will be sent to your contact list.

Setup Email	23
Email Server Setup Alarm Email Setup Email Reciepents Schedule	; Email
Mail-Enable Tag ENABLE TAG	•
Mail Details	
Subject INSERT SUBJECT HERE	Insert in Body
ENTER MESSAGE HERE	Date Time Numeric Tag Discrete Tag ASCII Tag
Email Schedule	Preview Body
✓ Tag Based TRIGGER	
Scheduled	Email Reciepents
O Hourly (at the top of the hour, e.g. xx.00 hours)	Mail Reciepent
Specific Times (such as every shift)	EXAMPLE@avg.net EXAMPLE1@avg.net EXAMPLE1@avg.net EXAMPLE2@avg.net
Comma seperated times e.g 8, 9:12, 10:00,11AM, 2PM , 2:2 PM, 22:2	
◎ Daily at 12:00 AM	
Weekly On Monday ✓ at 12:00 AM ✓	
Monthly On 1 at 12:00 AM	
ОК	Cancel Help

Mail-Enable Tag: This is a discrete tag that will enable and disable the email feature.

Mail details: This is the heart and soul of your new email feature with our new EZ3 panel. Similar to an email, you can type in a subject line and a body using the field shown below.

Mail Details	
Subject INSERT SUBJECT HERE	Insert in Body
ENTER MESSAGE HERE	Date Time
	Numeric Tag
	Discrete Tag
	ASCII Tag

You can also **insert** in the body of the email different variables as well like Date, Time, Numeric Tag, Discrete Tag, and an ASCII tag.

NOTE: When entering multiple variables they each need their own line, for example:

Correct:

Mail Details			
Subject Body	INSERT SUBJECT HERE		sert in Body
ENTER MESS	AGE HERE		ate Time
CATE FORM	AT="0" />	1	Numeric Tag
<time form<="" td=""><td>AT="0" /></td><td></td><td>)iscrete Tag</td></time>	AT="0" />)iscrete Tag
			ASCII Tag

Incorrect:

Mail Details		
Subject Body	INSERT SUBJECT HERE	Insert in Body
ENTER MESS	AGE HERE	Date Time
<date form<="" td=""><td>AT="0" /><time format="0"></time></td><td>Numeric Tag</td></date>	AT="0" /> <time format="0"></time>	Numeric Tag
		Discrete Tag
		ASCII Tag



DATE: You can insert the date to your preference.



Time: You can enter the time to your preference

Time Embed Comma	nd Details Dialog	
Time Format	HH_MM_SS_24	•
Add New	HH_MM_SS_24 HH_MM_24 HH_MM_SS_12 HH_MM_12	

Numeric Tag: You can embed a variable within the body of your email using this selection. Just configure the register you want to use and assign the necessary attributes and push "Add new". This will be added to the body of your email.

Numeric Embed Co	mmand Details Dialog	×
Select Numeric tag value will be read fo	from where Variable	•
Format		# Digits
Justification	Unsigned Decimal	Auto Check < 1>
	Leading spaces 🔹	Total Digits 5
		Fractional Digits 0 🚔
Δ	dd New	Close

EZ3 EMAIL APPLICATION GUIDE **EZAutomation**

Discrete Tag: You can embed a discrete message within the body of your email using this selection. Just configure the discrete tag you want use and assign a text message for the on/off states to be read in the body of your email. Push "Add new". This will be added to the body of your email.

Discrete Emb	ped Command Details Dialo	pg 🔀
Select Dis	crete tag from where value will	be read for embedded data
DISCRET	E TAG	•
- On/Off 1	lext	
On Text	Insert Text Here When On	
Off Text	Insert Text Here When OFF	
	Add New	Close

ASCII Tag: You can embed an ASCII message/value within the body of your email using this selection. Just enter the ASCII string tag from where the value will be read from.

Ascii String Embed Command Details	Dialog X
Select Ascii String tag from where valu	e will be read for embedded data
ASCII STRING	•
Add New	Close



Email Schedule: This is where you can set a desired time to send automatic emails. You can configure for either tag based or on a scheduled time. The tag based is a triggered event, when a button transitions from on/off or off/on it will send an email to your contact list. The Scheduled option you can set for hourly, specific time, daily, weekly, and monthly.

Email Schedule
✓ Tag Based
Scheduled
\bigcirc Hourly (at the top of the hour, e.g. xx.00 hours)
Specific Times (such as every shift)
10:00 AM,12:00PM
Comma seperated times e.g 8, 9:12, 10:00,11AM, 2PM , 2:2 PM, 22:2
Oaily at 12:00 AM
─ Weekly On Monday → at 12:00 AM →
Monthly On 1 → at 12:00 AM →

Email Recipients: This is the last option for this feature. You can send to all contacts in the list or just a selected contact. By checking **Mail Recipient** you can select all at once. And if you want certain contact(s) you can check the individual(s) contact email.

₽	Mail Reciepent
1	EXAMPLE@avg.com
1	EXAMPLE1@avg.com
1	EXAMPLE2@avg.com



Do you still need help?

Technical Support

Most of the frequently encountered problems regarding any EZ3 emails are answered in the sections above. However, if you still need answers to your questions, please call our technical support at 1-877-774-EASY.

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