# **ECS 03 01 Manual Configuration**

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## Step 1:

Do the following to enter the full maintenance mode:

Bring the ESC into full maintenance mode by pressing the maintenance button for 4 seconds.

Use a watch to avoid pressing the button for more than 4 seconds.

The maintenance indicator, marked turns on with a steady blue light when the button is released.



## Step 2:

Connect an Ethernet cable from the computer to Ethernet port 2 on the ESC.

Set computer IP as follows:

- 169.254.0.2 as IP address
- 255.255.0.0 as subnet mask
- 169.254.0.1 as default gateway

M 👬	See full map	
ERICSSON-PC Network 46 (This computer) ew your active networks	i Internet	
Network 46 Public network	Networking Sharing	22
hange your networking settings  Set up a new connection or network Set up a wireless, broadband, dial-up, ad  Connect to a network Connect or reconnect to a wireless, wired  Choose homegroup and sharing options Access files and printers located on other  Troubleshoot problems Disperse and service petions petions	General         You can get IP settings assigned automatically if your network supporting this capability. Otherwise, you need to ask your network administration for the appropriate IP settings.         Obtain an IP address automatically         IP address:         IP address:         IP address:         IP address:         Subnet mask:         255.255.0.0         Default gateway:         169.254.0.1	rts or
Diagnose and repair network problems, o	Obtain DNS server address automatically  Use the following DNS server addresses:  Preferred DNS server:  Alternate DNS server:	

## Step 3:

Open a web browser and enter IP address **169.254.0.1** into the address field.

The security certifi Security certificate	cate presented by this website was not problems may indicate an attempt to 1	t issued by a trusted certificate authority. fool you or intercept any data you send to the	
We recommend t	hat you close this webpage and do n see this webpage. I website (not recommended). allion	Workson Security	

Log in using default username and password.

#### Username: **oss** Password: **default**

Important         P = 1           File         Edit         View         Favorite         Tools         Help           Image: Security certificate         There is a problem with this website's security certificate.         The security certificate presented by this website was not issued by a trusted certificate authority.           Security certificate problems may indicate an attempt to fool you or intercept any data you send to servee.         Security certificate problems may indicate an attempt to fool you or intercept any data you send to servee.	C Waking for 169 254 0.1 ×
We recommend that you close this webpage and do not to Click here to close this webpage. Continue to this website (not recommended). More information More information	Concernance and password. The Star Controller.
<ul> <li>3</li> <li>3</li> <li>4</li> <li>5</li> <li>5&lt;</li></ul>	EN 🕐 - 📅 👀 814 9M

### Step 4:

Click on the **Basic Configuration** link in the menu.



Do the following to edit the basic configuration settings:

Enter the information into the text fields and click the **Commit** button once.

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EPICSSON Ericsson	Site Controller - Basic Configuration	
Encoson Encoson	ishe controller Duste conliguration	
System Uptime: 01:15:07		
DepIPInterface is set to a Ethernet in removed.	interface, linklayer can be configured by setting dynamic or static mode with or without a VLAN tag. If you use a VLAN tag, all pre-existing VLAN-configuration	n will be
Ethernet Port Number 1 IP Interface Mode DHCP V		
IPv4 Address 0.0.0.0		
IPv4 Netmask 0.0.0.0		
IPv4 Gateway 0.0.0.0		
VLAN Tag	8	
If you change the ULN, the ESC wi	ill be shifted to managed mode.	
ULN	CN81010441	
Name	CN811234567	
Time Server IPv4 Address	192.168.1.2	
Timezone	Etc/UTC V	
WakeUpRegistration IPv4 Addre	ess 0.0.0.0	
Old Password		
New Password		
Confirm New Password	you want AutoComplete to remember web form entries? Learn about AutoComplete Yes No ×	~
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Example for E2230: Defined IP and VLAN for ESC visibility.

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File Edit View Favorites Tools	Help
ERICSSON Ericsson	n Site Controller - Basic Configuration ^
System Uptime: 00:14:38	
DepIPInterface is set to a Ethernet	t interface, linklayer can be configured by setting dynamic or static mode with or without a VLAN tag. If you use a VLAN tag, all pre-existing VLAN-configuration will be removed.
Ethernet Port Number 1 IP Interface Mode STATIC	<u></u>
IPv4 Address 10.186.55.15	
IPv4 Netmask 255.255.255.224	
IPv4 Gateway 10.186.55.1	
VLAN Tag 3315	
If you change the ULN, the ESC v	vill be shifted to managed mode.
ULN	CN81010441
Name	E2230-ESC
Time Server IPv4 Address	10.143.118.16
Timezone	Iran V
WakeUpRegistration IPv4 Add	ress 10.136.97.37
Old Password	
New Password	
Confirm New Password	
Commit	
Reboot	×
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### Step 5:

#### **Configure Digital Alarms**

The digital alarms from the battery cabinet are configured by accessing the Cabinet Controller through SSH which can be done either by locally connected PC or remotely.

Log on to the Cabinet Controller through its IP address with an SSH client:

R PuTTY Configuration	Reputer	×
PuTTY Configuration Category:  - Session - Logging - Terminal - Reyboard - Bell - Features - Window - Appearance - Behaviour - Translation - Translation - Translation - Translation - Contemport	Basic options for your PuTTY se Specify the destination you want to conner Host Name (or IP address) 169.254.0.1 Connection type: Raw Telnet Rlogin SSH Load, save or delete a stored session Saved Sessions	ssion ct to Port 22 I O Serial
- Selection - Colours - Onnection - Data - Proxy - Teinet - Riogin R→ SSH	ESC Default Settings ISC TCU mlcraft	Load Save Delete
About	Close window on exit: Always Never Only on cl	ean exit Cancel

Enter the username and password of the Cabinet Controller:



Copy the text below and launch them through the SSH client: ( script )

🖗 169.254.0.1 - PuTTY	
OperationSucceeded	<b>^</b>
E2230-ESC> setMOAttribute t2 SDN=0, PowerManager=HGM, PowerSystem=M530B, AlarmPort=Digital1, AlarmEntry=ACTIVE additionalText ""	
OperationSucceeded	
E2230-ESC> setMoAttribute t2 SDN=0, PowerManager=HGM, PowerSystem=MS30B,AlarmPort=Digital2 inputActive=activewnenOpen	
Ezzabela Susandad	
Operacionsucceeded 1930.FSC. gatMOAttribute 12 SDN=0 DowarManagar=HCM DowarSustem=MSGOR NlarmDort=Digital2 NlarmEntry=NCTIVE perceivedSeverity major	
Derse inskoleine de bisk struktinger him fürstigstem höndstruktinger bigterez Aufmenter Reite pricestereter megor	
E2230-ESC> setMOAttribute t2 SDN=0.PowerManager=HGM.PowerSystem=M530B.AlarmPort=Digital2.AlarmEntry=ACTIVE probableCause x733EquipmentMalfunction	
OperationSucceeded	
2230-ESC> setMOAttribute t2 SDN=0, PowerManager=HGM, PowerSystem=M530B, AlarmPort=Digital2, AlarmEntry=ACTIVE specificProblem "Door Alarm Battery Cabinet"	
OperationSucceeded	
E2230-ESC> setMOAttribute t2 SDN=0, FowerManager=HGM, FowerSystem=M530B, AlarmFort=Digital2, AlarmEntry=ACTIVE additionalText ""	
OperationSucceeded	
E2230-ESC> setMOAttribute t2 SDN=0, PowerManager=HGM, PowerSystem=M530B,AlarmPort=Digital3 inputActive=activeWhenOpen	
OperationSucceeded	
E2230-ESC> setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital3,AlarmEntry=ACTIVE eventType equipmentAlarm	
OperationSucceeded	
E2230-ESC> setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital3,AlarmEntry=ACTIVE perceivedSeverity major	
OperationSucceeded	
E2230-ESC> setMOAttribute t2 SDN=0, PowerManager=HGM, PowerSystem=M530B, AlarmPort=Digital3, AlarmEntry=ACTIVE probableCause x733EquipmentMalfunction	
E2230-E3C> SetMonttible t2 SDR=0, POWerManager=HGM, POWerSystem=MS305, AlarmPort=Digital3, AlarmEntry=ACIIVE SpecificProblem "Circuit Breaker Battery Cabinet"	
Uperavionsucceeded 2000.EXC. gatWiktriburg t2 SDN=0 DowarManagar=H/M DowarSuptam=MESOR NlaymDort=Digital3 NlaymEntyu=A/TTVF additionalTayt ##	
Ezzovescy Setwartibute to Sum-0, rowermanager-nom, rowersystem-mosob, kraimert-bigitais, kraiment/y-korive auditionariekt	
operationsacceded F2930-F875, setMOAttribute t2 SDN=0 PowerManager=H6M PowerSystem=M530R llarmPort=Digital4 inputLotive=activeWhenOmen	
DerationSucceeded	
E2230-ESC> setMOAttribute t2 SDN=0. PowerManager=HGM. PowerSystem=M530B.AlarmPort=Digital4.AlarmEntry=ACTIVE eventType equipmentAlarm	
OperationSucceeded	=
2230-ESC> setMOAttribute t2 SDN=0, PowerManager=HGM, PowerSystem=M530B,AlarmPort=Digital4, AlarmEntry=ACTIVE perceivedSeverity major	
OperationSucceeded	
E2230-ESC> setMOAttribute t2 SDN=0, PowerManager=HGM, PowerSystem=M530B, AlarmPort=Digital4, AlarmEntry=ACTIVE probableCause x733EquipmentMalfunction	
OperationSucceeded	
E2230-ESC> setMOAttribute t2 SDN=0, PowerManager=HGM, PowerSystem=M530B, AlarmPort=Digital4, AlarmEntry=ACTIVE specificProblem "Battery Alarm"	
OperationSucceeded	
E2230-ESC> setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital4,AlarmEntry=ACTIVE additionalText ""	
OperationSucceeded	
E2230-ESC> commit t2	
OperationSucceeded	
E2230-ESC> endtransaction t2	
	*
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startTransaction t2

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital1 inputActive=activeWhenOpen

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital1,AlarmEntry=ACTIVE eventType equipmentAlarm

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital1,AlarmEntry=ACTIVE perceivedSeverity major

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital1,AlarmEntry=ACTIVE probableCause x733EquipmentMalfunction

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital1,AlarmEntry=ACTIVE specificProblem "Climate Alarm Battery Cabinet"

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital1,AlarmEntry=ACTIVE additionalText ""

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital2 inputActive=activeWhenOpen

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital2,AlarmEntry=ACTIVE eventType equipmentAlarm

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital2,AlarmEntry=ACTIVE perceivedSeverity major

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital2,AlarmEntry=ACTIVE probableCause x733EquipmentMalfunction

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital2,AlarmEntry=ACTIVE specificProblem "Door Alarm Battery Cabinet"

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital2,AlarmEntry=ACTIVE additionalText ""

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital3 inputActive=activeWhenOpen

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital3,AlarmEntry=ACTIVE eventType equipmentAlarm

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital3,AlarmEntry=ACTIVE perceivedSeverity major

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital3,AlarmEntry=ACTIVE probableCause x733EquipmentMalfunction

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital3,AlarmEntry=ACTIVE specificProblem "Circuit Breaker Battery Cabinet"

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital3,AlarmEntry=ACTIVE additionalText ""

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital4 inputActive=activeWhenOpen

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital4,AlarmEntry=ACTIVE eventType equipmentAlarm

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital4,AlarmEntry=ACTIVE perceivedSeverity major

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital4,AlarmEntry=ACTIVE probableCause x733EquipmentMalfunction

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital4,AlarmEntry=ACTIVE specificProblem "Battery Alarm"

setMOAttribute t2 SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital4,AlarmEntry=ACTIVE additionalText ""

commit t2

endtransaction t2

## Step 6:

#### **EXTERNAL ALARMS**

Cables connection:



Define EXTERNAL ALARMS on ESC:

- Enter advanced configuration on main menu

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Alert!	
ESC is configured to use features for which there are no valid licenses. <u>Alum Ling</u> for details. microssic key file can be installed on the <u>License page</u> .	
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- Enter EXTERNAL ALARM PORTS
- Define and set Alarms one by one

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File Edit View Favorites Tools Help						00 20 00
ERICSSON Ericsson Site Controller - Exte	ernal Alarm Ports					
Instance	Equipment	Port State	ActiveState	AdditionalText	Severity	
SDN=0,AlarmPort=1		1 Active	activeWhenOpen V	BBU DOOR	minor N	<ul> <li>x733Equip</li> </ul>
SDN=0,AlarmPort=2		2 Inactive	activeWhenOpen V	BBU CLU	minor N	<ul> <li>x733Equip</li> </ul>
SDN=0,AlarmPort=3		3 Inactive	activeWhenOpen V	BBU TEMP	minor N	<ul> <li>x733Equip</li> </ul>
SDN=0,AlarmPort=4		4 Inactive	activeWhenClosed $\checkmark$		minor N	<ul> <li>x733Equip</li> </ul>
SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Door	SDN=0,PowerManager=HGM,PowerSystem=M530B	6 Inactive	activeWhenClosed $\checkmark$		major N	<ul> <li>m3100Enc</li> </ul>
SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=ClimateSystem	SDN=0,PowerManager=HGM,PowerSystem=M530B	5 Inactive	activeWhenClosed V		major N	<ul> <li>x733Equip</li> </ul>
SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital1	SDN=0,PowerManager=HGM,PowerSystem=M530B	1 Inactive	activeWhenClosed $\checkmark$		major 🚿	<ul> <li>x733Equip</li> </ul>
SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital2	SDN=0,PowerManager=HGM,PowerSystem=M530B	2 Inactive	activeWhenClosed V		major 🚿	✓ x733Equip
SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital3	SDN=0,PowerManager=HGM,PowerSystem=M530B	3 Inactive	activeWhenClosed V		major 🚿	<ul> <li>x733Equip</li> </ul>
SDN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=Digital4	SDN=0,PowerManager=HGM,PowerSystem=M530B	4 Inactive	activeWhenClosed $\checkmark$		major 🚿	<ul> <li>x733Equip</li> </ul>
Equipment         Port         Action           (Internal)         5         ✓         Create           Reload         Reload	جا ا					
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File Edit View Favorites Tools Help		

#### roller - External Alarm Ports

	Equipment	Port	State	ActiveState	AdditionalText	Severity	ProbableCause	Set	Delete
		1	Active	activeWhenOpen 🗸	BBU DOOR	minor 🗸	x733EquipmentMalfunction	Set	Delete
		2	Inactive	activeWhenOpen 🗸	BBU CLU	minor 🗸	x733EquipmentMalfunction	Set	Delete
		3	Inactive	activeWhenOpen 🗸	BBU TEMP	minor 🗸	x733EquipmentMalfunction	Set	Delete
		4	Inactive	activeWhenClosed 🗸		minor 🗸	x733EquipmentMalfunction	Set	Delete
armPort=Door	SDN=0,PowerManager=HGM,PowerSystem=M530B	6	Inactive	activeWhenClosed $\checkmark$		major 🗸	m3100EnclosureDoorOpen V	Set	Delete
armPort=ClimateSystem	SDN=0,PowerManager=HGM,PowerSystem=M530B	5	Inactive	activeWhenClosed 🗸		major 🗸	x733EquipmentMalfunction	Set	Delete
armPort=Digital1	SDN=0,PowerManager=HGM,PowerSystem=M530B	1	Inactive	activeWhenClosed 🗸		major 🗸	x733EquipmentMalfunction	Set	Delete
armPort=Digital2	SDN=0,PowerManager=HGM,PowerSystem=M530B	2	Inactive	activeWhenClosed 🗸	]	major 🗸	x733EquipmentMalfunction	Set	Delete
armPort=Digital3	SDN=0,PowerManager=HGM,PowerSystem=M530B	3	Inactive	activeWhenClosed 🗸		major 🗸	x733EquipmentMalfunction	Set	Delete
armPort=Digital4	SDN=0,PowerManager=HGM,PowerSystem=M530B	4	Inactive	activeWhenClosed 🗸		major 🗸	x733EquipmentMalfunction	Set	Delete

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## Step 7:

Enter ALARM LIST on main menu to see alarms:

Instance	Id	Time	Type	Severity	Cause	Specific	Additional text	
DN=0,PowerManager=HGM,PowerSystem=M530B,AlarmPort=D	oor 430	2017-10-09 T11:51:49	equipmentAlarm	major	m3100EnclosureDoorOpen	Door is open		Clea
DN=0,LicenseStatus=0,LicenseKey=FAT1020664	429	2017-10-09 T11-51-14	qualityOfServiceAlarm	critical	x733ConfigurationOrCustomizationError	License key fault	Measurements	X
DN=0,LicenseStatus=0,LicenseKey=FAT1023463	428	2017-10-09 T11-51-14	qualityOfServiceAlarm	critical	x733ConfigurationOrCustomizationError	License key fault	ESC Basic SW	× Clea
DN=0,AlarmPort=1	424	2017-10-09 T11:51:05	equipmentAlarm	minor	x733EquipmentMalfunction	External Alarm	BBU DOOR	Clea

**Recommendation**: Enter SAVE CONFIGURATION on main menu to save configuration on PC:



## **Visibility on OSS**

You can see in below snapshots that ESC is visible and alarms can be monitored on OSS.

