

JouleTemp SMS Setup & Configuration

This document explains the setup and operation of SMS Messaging with JouleTemp & JouleAlarm controllers.

Introduction

Joule Controllers (JC) can send SMS Messages for Alarms and Events by using email. Emails are sent to a service company "csoft" who then generate an SMS

The basic steps in setting up this function as follows;

1. As a pre-condition for this function to work, the Joule Controller must be on a LAN network and have access to and ability to send emails. You must also have access to the Joule Controller via a browser on the LAN.
2. Setup the email functionality in the Joule Controller.
3. Open an account with csoft. Register the email address(es) which are authorized to generate SMS messages and also the mobile phone numbers which are authorized to receive SMS's.
4. Test your SMS functionality.
5. Summary of the settings in this example and where to change them

1. Setup Joule Controller on LAN

The JC needs to be on a LAN where it can access an authorized mail server. Generally the mail server should be on the same range as the JC :

Network IP	192	168	002	097
Gateway IP	192	168	002	001
Network Mask	255	255	255	000

Above: JC Network settings in "advanced" page must be compatible with the mail server address

2. Setup Email functionality of Joule Controller

If the LAN has an email server locally attached, you can use the IP address of the mail server (eg 192.168.2.34) , or the name (eg. mail.companyserver.com.au). Note: JC must use port 25 for email and JC does NOT support Secure Socket Layer (SSL) email, but does support authentication. Note Gmail server requires SSL therefore & uses port 465 and is NOT a suitable mail server to use. If you do not have access to a server there are paid services which can be used. For example https://www.godaddy.com/gdshop/email/personal.asp?app_hdr=&ci=12931 offers email for \$ 10 per year.

Above: JC Email settings in "programming" page

3. Setup csoft account

- a. Visit <http://csoft.co.uk/nox8/register1a.pl> to setup a new account. You will need a Visa or Mastercard or Maestro and the minimum cost is \$15.00 which gives you 100 emails. You can top up the account online anytime. You will also need an account email address where they will send you passwords etc and warnings when your account is low.
- b. Once an account is setup, they will send you a password and then Login to your account : https://www.csoft.co.uk/nox8/logon_go_app.pl , using the username (eg. bjenkins.121234) and password (eg. RENTAL.Mdoc) provided.
- c. Setup the email address which is used to send the emails (jt@myserver.com.au in the example above) https://www.csoft.co.uk/nox8/itsarrived_account_simple_email.pl

Above: CSoft Email settings (same address as in JC programming page)

d. Setup mobile phone number where SMS's will be sent. Go to : http://www.csoft.co.uk/nox8/address_book_page.pl and add a name and mobile number as an authorized recipient of SMS's . This number forms parts of the "send to email address" in programming.

Address Book

Add new contact

First name	Last name	Mobile Number*
<input type="text"/>	<input type="text"/>	Australia ▼
		61 <input style="width: 150px;" type="text"/>
<input type="button" value="Add"/>		

Select all Select page Currently selected. Sort by: [Firstname](#) [Lastname](#) [Numl](#)

Select	Firstname	Lastname	Mobile number	Group
1 <input type="checkbox"/>	bob	holloway	61400400400	Edit

Above: CSoft Address book settings part of the email Send to Email address

4. Test your SMS functionality.

Once it is all setup, test that it works. A simple test procedure is as follows;
After all is setup, re-boot JC to ensure settings are saved. This should generate an SMS:

from: csoft.co.uk
JouleTemp Demo 97 –Power Up. This email
was sent from <http://192.168.2.35/> at 11/12/2008 10:00

On programming page set events to email to "All"
Change a defrost time setting (only slightly say from 30 to 30.1)
JC should generate an SMS similar to:

from: csoft.co.uk
JouleTemp Demo 97 – Alarm Delay (At). This email
was sent from <http://192.168.2.35/> at 11/12/2008 10:03

After testing is completed, you may wish to change email setting to Alarm only

If the SMS does NOT work, try sending an email to a regular email address first - eg replace the 61400400400@itsarrived with your regular email address to first check JC is able to access the mail server you have setup and generate emails.

5. Summary of the settings in this example and where to change them

Setting Description	In our example	Where to change?
Joule Connect IP Address	192.168.2.97	JC advanced page
Mobile number to phone	0400400400	a. In JC in send to email address as 61400400400@itsarrived.net b. In csoft setup address book
Mail Server to use	192.168.2.35 (mail.myserver.com.au)	JC Programming page
Mail account to use	jt@myserver.com.au	JC Programming page
Mail account password	mypassword	JC Programming page
JC Gateway IP	192.168.2.1	JC advanced page

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