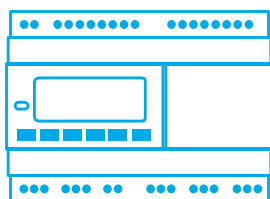




► SMS COMMANDS GUIDE



em4 alert

Nano-PLC that can alert you via SMS or email

| | | |
|--|--|--|
| | Event management via SMS or email | Receive an SMS or an email when an event occurs in your application |
| | Data report via SMS and datalogs via email or FTP | Periodically receive reports by SMS or email, or .csv files via email or FTP |
| | Monitoring and control functions via SMS | Remotely display or control data values with SMS |
| | PLC to PLC SMS communication | Exchange data by SMS from one PLC to another |
| | Remote directory management | Remotely manage phone numbers and email addresses with SMS |
| | Remote application program update | Remotely update your application program with FTP server and SMS commands |

READ / WRITE DATA WITH XB, XW FUNCTION BLOCKS

The function blocks XBIN, XWIN allow to read and write variables

The function blocks XBOUT, XWOUT allow to only read variables

▶ XBIN

| Type | Syntax | Request example | Response example |
|-------|-------------|-----------------|-------------------|
| Read | Label? | PumpControl? | PumpControl :OFF; |
| Write | Label=[dgt] | PumpControl=ON | PumpControl :ON; |

▶ XWIN

| Type | Syntax | Request example | Response example |
|-------|-------------|-------------------------|-----------------------------|
| Read | Label? | Max-Ext-Temperature? | Max-Ext-Temperature :26.35; |
| Write | Label=[val] | Pressure-Setpoint=15.00 | Pressure-Setpoint :15.00; |

▶ XBOUT

| Type | Syntax | Request example | Response example |
|------|--------|-----------------|--------------------|
| Read | Label? | AccessControl? | AccessControl :ON; |

▶ XWOUT

| Type | Syntax | Request example | Response example |
|------|--------|-----------------|---------------------|
| Read | Label? | AccessCounter? | AccessCounter :235; |

It is possible to send multiple commands in a single SMS. Example:

- › PumpControl=ON; PumpControl=OFF; (Rising/Flank command)
- › Max-temperature?; AccessCounter?;
- › Max-temperature?; PumpControl=ON;

Other commands can receive datalogs and remotely update the application programs and manage your directory.

MAIN SYSTEM COMMANDS

▶ **RUN** ▶ Allows to start user application without initialization

| Type | Syntax | Request example | Response example |
|-------|------------------|-----------------|-----------------------|
| Write | em4 +run; | em4 +run | em4 +run :RUN; |

▶ **RUNWI** ▶ Allows to start user application with initialization

| Type | Syntax | Request example | Response example |
|-------|--------------------|-------------------|-------------------------|
| Write | em4 +runwi; | em4 +runwi | em4 +runwi :RUN; |

▶ **STOP** ▶ Allows to stop user application

| Type | Syntax | Request example | Response example |
|-------|-------------------|------------------|-------------------------|
| Write | em4 +stop; | em4 +stop | em4 +stop :STOP; |

▶ **STATE** ▶ Allows to know if the application is started or stopped

| Type | Syntax | Request example | Response example |
|------|--------------------|--------------------|-------------------------|
| Read | em4 +state? | em4 +state? | em4 +state :RUN; |

▶ **DEFAULT** ▶ Allows to read the **em4** default code

| Type | Syntax | Request example | Response example |
|------|----------------------|----------------------|-------------------------|
| Read | em4 +default? | em4 +default? | em4 +default :0; |

▶ **CLOCK** ▶ Allows to read and write the date and hour of the **em4**

| Type | Syntax | Request example | Response example |
|-------|--------------------------|--|---|
| Read | em4 +clock? | em4 +clock? | em4 +clock :«15/09/30, 10:05:30 » |
| Write | em4 +clock=[time] | em4 +clock=«15/09/30 , 10:15:30» | em4 +clock :«15/09/30, 10:15:30» |

Note: for this command the date format is "yy/mm/dd, hh:mm:ss"

▶ **RESETLOG** ▶ Allows to delete datalogs stored in the **em4**

| Type | Syntax | Request example | Response example |
|-------|-----------------------|----------------------|--------------------------------|
| Write | em4 +resetlog; | em4 +resetlog | em4 +resetlog :SUCCESS; |

DIRECTORY MANAGEMENT



DIRECTORY

› You need to be an administrator to modify the directory

| Type | Syntax | Request example | Response example |
|------|--|---|---|
| Get | em4+contact?[name]; | em4+contact?user1; | em4+contact: user1, +33671xxxxx, user1@mail.com, Operator; |
| Set | em4+contact=[name], [phone number], [email]; | em4+contact=user1, +33672xxxxx, user1@email.com | em4+contact: user1, +33672xxxxx, user1@email.com, Operator; |

*Profile can be user, operator or administrator
(up to 3 administrators and 20 contacts maximum)*

CONTROLLER COMMUNICATION SETTINGS

- › To configure your communication settings: click on communication tab and select «GSM/GPRS»
- › Inform all the fields depending on your mobile and webhosting provider
- › If you want to exchange SMS, you only need to fill in the PIN code
- › If you want to send emails you need a **data SIM card** and setup the APN field and SMTP tab

ABOUT CROUZET AUTOMATION

Supported by an experienced technical team, Crouzet Automation is a pioneer in the simplification of programming. The brand offers the easiest-to-use and most adaptable alternative automation solution for specialized and demanding needs. Crouzet Automation is a brand of InnoVista Sensors™.

www.crouzet-automation.com

North America contact:

Tel.: +1 619-210-1617

Fax: +1 800-677-3865

E-mail: AutomationSales@crouzet.com

Follow us    

Contact us!



InnoVista Sensors™: your trusted partner of choice to face industrial challenges of today and tomorrow.

InnoVista Sensors™ is a worldwide industrial specialist of sensors, controllers and actuators for automated systems.

Through its brands, Crouzet Aerospace, Crouzet Automation, Crouzet Control, Crouzet Motors, Crouzet Switches and Systron Donner Inertial, InnoVista Sensors™ offers a wide range of reliable, efficient and customizable components dedicated to the Aerospace & Defence, Transportation and Industrial market and segments.

Thanks to the recognized expertise of its teams and a strong innovation policy, InnoVista Sensors™ brings performance enhancing solutions to its customers worldwide.

www.innovistasensors.com