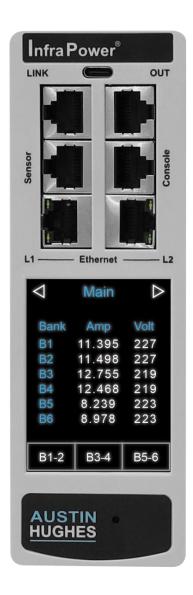


COMMAND LINE INTERFACE USER GUIDE Z 2000 Series IP PDU



(**Version 1.0**)

(1st October, 2025)

UG-CLI-PPS-04-S-Q425V1 www.austin-hughes.com



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< Part 1 > Command Line Interface

< 1.1 > Introduction

Command Line Interface (CLI) allows you to administer the Z IP PDU via either the network interface or console port* using Telnet or Secure Shell (SSH). If the ZIP PDU is in factory default setting or password is " 00000000", you MUST change the password during the login. After you change the password, you can login the CLI to perform the setting, monitoring and control.

By default, CLI access via SSH is enabled and Telnet is disabled whereas the Telnet can be enabled.

*Only 2.8" Z IP PDU comes with console port

The CLI can be used to:

- Reset
- Configure the device settings
- Display the device and network information such as device name, firmware version, IP setting and so on.



< 1.2 > Logging in to CLI

Logging in via the console port is different from logging in via the network interface using SSH or Telnet.

Logging in via the console port for local access

- Connect your computer to the console port of ZIP PDU using a USB to RJ-45 console cable
- 2. Launch SSH via PuTTY.

Ensure the COM port settings is as below:

Bits per second = 115200 (115.2kbps)

Data bits = 8

Stop bits = 1

Parity = None

Flow control = None

- 3. In PuTTY, press "Enter" and the login prompt appears.
- 4. Input the login name and password. CLI shares the same login name and password as the WEBUI.
- 5. A main menu will be shown for functions selection and configuration.
- 6. Select " (6) Command Line Interface " to enter to CLI prompt

Logging in via the network interface for remote access

- 1. Launch SSH via PuTTY.
- 2. Input the IP address of ZIP PDU
- 3. Input the login and password in the login prompt. CLI shares the same login name and password as the WEBUI.
- 4. A main menu will be shown for functions selection and configuration.
- 5. Select " (6) Command Line Interface " to enter to CLI prompt

< 1.3 > Syntax

The CLI uses a SET and GET command structure to save and retrieve setup parameters.

The CLI syntax is as follows:

- Colon (:) MUST be followed by a parameter
- All names are case sensitive
- get help to retrieve the get commands and options
- set help to retrieve the set commands and options



< Part 2 > System

< 2.1 > Get system

| Command | Default value | Remarks |
|------------------------|------------------|---|
| get system help | N/A | To show the list of system option can be retrieved. |
| get system model | Z IP PDU | The model name of the system |
| get system firmware | Z4M-Z105-250822 | The firmware version of the system |
| get system build | yyyymmdd | The build date of the system firmware |
| get system name | Default_z4m_name | To retrieve the system name |
| get system location | Default_z4m_loc. | To retrieve the system location |
| get system tempunit | С | C = Celsius F = Fahrenheit |
| get system date | 2007-01-01 | The format is yyyy-mm-dd |
| get system time | 00:08:51 | The format is hh:mm:ss |
| get system timezone | GMT+00:00 | The time zone setting of the system |
| get system ntp | time.google.com | If returns "none", the system date / |
| | | time is set manually not synchronize |
| | | by time server |
| get system https | Yes | If the value returned is " No ", web |
| | | service is via http. |
| get system port | 443 | Port no. use by https / http |
| get system timesync | Disable | Disable = time sync is disabled. |
| | | Enable = time sync is enabled. |
| get system sslcert | Default | If you load your own certificate in the |
| | | WEBUI, it will return " Custom ". |
| get system opcpop | XXXX | The value of o utlet p ower c ycling |
| | | p ower o ff p eriod. Value : 1 to 3600s. |
| | | Default value is 3s. |
| get syslog xxxx - xxxx | A list of syslog | To retrieve the syslog of the system. |
| | | xxxx : 1 to 1600. If NOT input xxxx – |
| | | xxxx. The first 100 events will be |
| | | displayed by default. |



< 2.2 > Set system

| Command | Return value | Remarks |
|------------------------------------|--------------|--|
| set system help | N/A | To show the list of system option can be set. |
| set system name:xxxx | OK | Set the system name to "xxxx". Valid input: 0~9, A~Z, a~z, underscore, dash & full-stop up to 16 characters. |
| set system location:xxxx | OK | Set the system location to "xxxx". Valid input: 0~9, A~Z, a~z, underscore, dash & full-stop up to 16 characters. |
| set system tempunit:C | OK | Set the temperature unit to " C " |
| set system date:2025- 09-18 | OK | Set the system date to 2025-09-18. If ntp server is enabled, cannot set system date |
| set system time:15:20:30 | OK | Set the system time to 15:20:30. If ntp server is enabled, cannot set system time. |
| set system timezone:GMT+08:00 | OK | Set the time zone of the system |
| set system ntp:none / xxxxx / sync | OK | None: set the date / time setting to manual. xxxxxx : set the date / time synchronization by NTP server. sync : synchronize date / time from NTP server. |
| set system opcpop:xxxx | OK | To set the o utlet p ower c ycling p ower o ff p eriod. xxxx : 1 ~ 3600s. |



< Part 3 > Network

< 3.1 > Get network

| Command | Default value | Remarks |
|----------------------------|----------------------------------|--|
| get network help | N/A | To show the list of network option can be retrieved. |
| get network:xx mode | dual / lan1 | dual : device has 2 network interfaces. lan1 : device has one network interface. |
| get network:xx failover | Disable / Enable | To view to the network interface operates in failover mode or not. |
| get network:xx dns | xxx.xxx.xxx / xxx.xxx.xxx | To retrieve the IP address of primary and secondary DNS server. |
| get network:xx mac | XX:XX:XX:XX:XX | To retrieve the Mac address of the network interface. |
| get network:xx link | Up / Down | To retrieve the link state of the network interface. |
| get network:xx speed | 100 / 1000 / 65535 | To retrieve the connection speed of the network interface. 65535 means not connected |
| Get network:xx dhcp | Disable / Enable | To retrieve the DHCP setting of the network interface. |
| get network:xx ipv4 | XXX.XXX.XXX | To retrieve the IPv4 address of the network interface. |
| get network:xx smv4 | XXX.XXX.XXX | To retrieve the IPv4 address of the network interface's subnet. |
| get network:xx gwv4 | XXX.XXX.XXX | To retrieve the IPv4 address of the network interface's gateway. |
| get network:xx ipv6 | xxxx:xxxx:xxxx:xxxx:xxxx:xxxx/xx | To retrieve the IPv6 address of the network interface. |



< Part 4 > Device

< 4.1 > Get PDUs

| Command | Default value | Remarks |
|------------------|---|---|
| get pdu help | N/A | To show the list of pdu |
| | | option can be retrieved |
| get pdu:xx | The pdu model name | To retrieve the model |
| model | | name of the pdu |
| get pdu:xx | The name of the specified pdu level | To retrieve the name of |
| name | | the pdu |
| get pdu:xx | The location of the specified pdu level | To retrieve the location |
| location | | of the pdu |
| get pdu:xx | The firmware version of the specified pdu | To retrieve the |
| firmware | level | firmware version of the |
| | | pdu |
| get pdu:xx uid | The unique ID of the specified pdu level | To retrieve the unique |
| | | ID of the pdu |
| get pdu:xx real- | The rea-time clock of the specified pdu | To retrieve the real- |
| time-clock | level | time clock of the pdu. |
| | | Format : |
| | | yymmddhhmmssw. w |
| | | means weekday. |
| get pdu:xx | The serial no. of the specified pdu level | To retrieve the serial |
| serial-no | | no of the pdu. |
| get pdu:xx | The cumulative energy of the specified | To retrieve the |
| cumulative- | pdu level | cumulative energy of |
| energy | | the pdu in thousandth |
| | T | of kWh. |
| get pdu:xx | The apparent power of the specified pdu | To retrieve the |
| apparent-power | level | apparent power of the |
| | | pdu in thousandth of |
| | The action was a fall and a sign of a land. | kVA. |
| get pdu:xx | The active power of the specified pdu | To retrieve the active |
| active-power | level | power of the pdu in |
| a a t n du uvor | The comment leading of the execitied adv | thousandth of kW. |
| get pdu:xx | The current loading of the specified pdu | To retrieve the current |
| current | The power factor of the enecified adulevel | loading of the pdu in A. |
| get pdu:xx | The power factor of the specified pdu level | To retrieve the power |
| power-factor | | factor of the pdu Valid value : 0.0 ~ 1.0 |
| got ndusyy | The frequency of the enecified adultavel | To retrieve the |
| get pdu:xx | The frequency of the specified pdu level | frequency of the pdu in |
| frequency | | Hz. |
| get nduryy | The voltage of the specified pdu level | |
| get pdu:xx | The voltage of the specified publicate | To retrieve the voltage |
| voltage | | of the pdu in V. |



< 4.2 > Set PDUs

| Command | Default value | Remarks |
|---------------|--------------------------------|------------------------------------|
| set pdu help | N/A | To show the list of pdu option can |
| | | be set. |
| set pdu:xx | To set the pdu name of the | Length of name : 1 ~ 63. Valid |
| name:xxxx | specified pdu level. | input : 0~9, A~Z, a~z, |
| | | underscore, dash & full-stop. |
| set pdu:xx | To set the pdu location of the | Length of location |
| location:xxxx | specified pdu level. | : 1 ~ 63. Valid input : 0~9, A~Z, |
| | | a~z, underscore, dash & full-stop. |

< 4.3 > Get Circuits

| Command | Default value | Remarks |
|-------------------------|--|---|
| get circuit help | N/A | To show the list of circuit |
| | | option can be retrieved |
| get circuit:xx level:yy | The circuit name | To retrieve the name of the |
| name | | circuit |
| get circuit:xx level:yy | The rated amp. of the specified | To retrieve the rated amp of |
| rated-amp | circuit | the circuit in A. |
| get circuit:xx level:yy | The rated voltage. of the | To retrieve the rated voltage |
| rated-volt | specified circuit | of the circuit in V. |
| get circuit:xx level:yy | The amp. alarm threshold of the | To retrieve the amp. Alarm |
| alarm | specified circuit | threshold of the circuit in A. |
| get circuit:xx | The amp. rising alert threshold | To retrieve the amp. rising |
| level:yy rising-alert | of the specified circuit | alert threshold of the circuit |
| | | in A. |
| get circuit:xx level:yy | The amp. low alert threshold of | To retrieve the amp. low |
| low-alert | the specified circuit | alert threshold of the circuit |
| | | in A. |
| get circuit:xx level:yy | The alarm state of current | To retrieve the alarm state of |
| amp state | loading of the specified circuit | the circuit. |
| | | Value : Normal, L. Alert (low |
| | | alert), R.Alert (rising alert) |
| 4 .: | The section of the second of t | & Alarm |
| get circuit:xx level:yy | The voltage of the specified | To retrieve the voltage of the |
| voltage | The surrent leading of the | circuit in V. To retrieve the current |
| get circuit:xx level:yy | The current loading of the | |
| current | specified circuit | loading of the circuit in A. |
| get circuit:xx level:yy | The power factor of the | To retrieve the power factor of the circuit Valid value : |
| power-factor | specified circuit | |
| get circuit:xx level:yy | The active power of the | 0.0 ~ 1.0 To retrieve the active power |
| active-power | specified circuit | of the circuit in thousandth |
| active-power | Specified circuit | of kW. |
| | <u> </u> | UI KVV. |



| Command | Default value | Remarks |
|---|---|---|
| get circuit:xx level:yy apparent-power | The apparent power of the specified circuit | To retrieve the apparent power of the circuit in thousandth of kVA. |
| get circuit:xx level:yy peak | The peak current loading of the specified circuit | To retrieve the peak current loading of the circuit in A. |
| get circuit:xx level:yy peak-timestamp | The time stamp of peak current loading of the specified circuit | To retrieve the time stamp of peak current loading of the circuit being recorded in A. Time stamp format: yymmddhhmmss |
| get circuit:xx level:yy cumulative-energy | The cumulative energy of the specified circuit | To retrieve the cumulative energy of the circuit in thousandth of kWh. |
| get circuit:xx level:yy cum-timestamp | The time stamp of cumulative energy of the specified circuit | To retrieve the time stamp of cumulative energy of the circuit being recorded in thousandth of kWh. Time stamp format: yymmddhhmmss |
| get circuit:xx level:yy protection-state | The circuit state of the specified circuit. | Value: Normal , Tripped |



< 4.4 > Set Circuits

| Command | Default value | Remarks |
|---|--|---|
| set circuit help | N/A | To show the list of circuit option can be set. |
| set circuit:xx level:yy alarm:zz | Set the amp. alarm threshold of the specified circuit to zz | To set the amp. Alarm threshold of the circuit in A up to 3 decimal places. Alarm threshold must be greater than rising alert threshold. Rising alert threshold must be greater than low alert threshold. |
| set circuit:xx level:yy rising-alert:zz | Set the amp. rising alert threshold of the specified circuit to zz | To set the amp. rising alert threshold of the circuit in A up to 3 decimal places. Rising alert threshold equals to 0.000 means disable. |
| set circuit:xx level:yy low-alert:zz | Set the amp. low alert threshold of the specified circuit to zz | To set the amp. low alert threshold of the circuit in A up to 3 decimal places. Low alert threshold equals to 0.000 means disable. |
| set circuit:xx level:yy peak:reset | Reset he peak current loading of the specified circuit to zero | To reset the peak current loading of the circuit to zero with timestamp updated. |
| set circuit:xx level:yy cumulative-energy:reset | Reset the cumulative energy of the specified circuit to zero | To reset the cumulative energy of the circuit to zero with timestamp updated. |

< 4.5 > Get Outlets

| Command | Default value | Remarks |
|------------------------|----------------------------------|--------------------------------|
| get outlet help | N/A | To show the list of outlet |
| | | option can be retrieved |
| get outlet:xx level:yy | The circuit which the outlet | Binding circuit value: 01 to |
| binding-circuit | belongs to | 12. It depends on the no. of |
| | | circuit of the PDU have. |
| get outlet:xx level:yy | The outlet type of the specified | To retrieve the outlet type of |
| type | outlet | the outlet. |
| get outlet:xx level:yy | The outlet name of the specified | To retrieve the outlet name |
| name | outlet | of the outlet. |
| get outlet:xx level:yy | The rated voltage of the | To retrieve the rated voltage |
| rated-volt | specified outlet | of the outlet in V. |
| get outlet:xx level:yy | The rated ampere of the | To retrieve the rated ampere |
| rated-amp | specified outlet | of the outlet in A. |
| get outlet:xx level:yy | The amp. alarm threshold of the | To retrieve the amp. Alarm |
| alarm | specified outlet | threshold of the outlet in A. |



| Command | Default value | Remarks |
|---|--|--|
| get outlet:xx level:yy rising-alert | The amp. rising alert threshold of the specified outlet | To retrieve the amp. rising alert threshold of the outlet in A. |
| get outlet:xx level:yy low-alert | The amp. low alert threshold of the specified outlet | To retrieve the amp. low alert threshold of the outlet in A. |
| get outlet:xx level:yy power-up-sequence- delay | The power up sequence delay of the specified outlet. | To retrieve the power up sequence delay of the outlet in second. Value: 1 to 3600. |
| get outlet:xx level:yy relay-state | The power state of the specified outlet | To retrieve the power state of the outlet. Value : On / Off |
| get outlet:xx level:yy amp-state | The apparent power of the specified outlet | To retrieve the alarm state of the outlet. Value : Normal, L. Alert (low alert), R.Alert (rising alert) & Alarm |
| get outlet:xx level:yy voltage | The voltage of the specified outlet | To retrieve the voltage of the outlet in V. |
| get outlet:xx level:yy current | The current loading of the specified outlet | To retrieve the current loading of the outlet in A. |
| get outlet:xx level:yy power-factor | The frequency of the specified outlet | To retrieve the power factor of the outlet Valid value : 0.0 ~ 1.0 |
| get outlet:xx level:yy active-power | The active power of the specified outlet | To retrieve the active power of the outlet in thousandth of kW. |
| get outlet:xx level:yy apparent-power | The apparent power of the specified outlet | To retrieve the apparent power of the outlet in thousandth of kVA. |
| get outlet:xx level:yy peak | The peak current loading of the specified outlet | To retrieve the peak current loading of the outlet in A. |
| get outlet:xx level:yy peak-timestamp | The time stamp of peak current loading of the specified outlet | To retrieve the time stamp of peak current loading of the outlet being recorded in A. Time stamp format: yymmddhhmmss |
| get outlet:xx level:yy cumulative-energy | The cumulative energy of the specified outlet | To retrieve the cumulative energy of the outlet in thousandth of kWh. |
| get outlet:xx level:yy cum-timestamp | The time stamp of cumulative energy of the specified outlet | To retrieve the time stamp of cumulative energy of the outlet being recorded in thousandth of kWh. Time stamp format: yymmddhhmmss |



< 4.6 > Set Outlets

| Command | Default value | Remarks |
|---|---|---|
| set outlet help | N/A | To show the list of outlet |
| | | option can be set. |
| set outlet:xx level:yy | Set the outlet name of the | Lenth of name : 1 ~ 16. Valid |
| name:zz | specified outlet to zz | input : 0~9, A~Z, a~z, |
| | | underscore, dash & full-stop. |
| set outlet:xx level:yy | Set the amp. alarm | To set the amp. Alarm |
| alarm:zz | threshold of the specified | threshold of the outlet in A up |
| | outlet to zz | to 3 decimal places. Alarm |
| | | threshold must be greater |
| | | than rising alert threshold. |
| | | Rising alert threshold must be |
| | | greater than low alert |
| | | threshold. |
| set outlet:xx level:yy | Set the amp. rising alert | To set the amp. rising alert |
| rising-alert:zz | threshold of the specified | threshold of the outlet in A up |
| | outlet to zz | to 3 decimal places. Rising |
| | | alert threshold equals to |
| ant outlet:xx lovel:xx love | Sot the amp low clort | 0.000 means disable. To set the amp. low alert |
| set outlet:xx level:yy low- alert:zz | Set the amp. low alert threshold of the specified | threshold of the outlet in A up |
| alert.22 | outlet to zz | to 3 decimal places. Low |
| | odilet to 22 | alert threshold equals to |
| | | 0.000 means disable. |
| set outlet:xx level:yy | Set the power up | To set the power up |
| power-up-sequence- | sequence delay of the | sequence delay of the outlet |
| delay:zz | specified outlet to zz | in second. Value: 1 to 3600s. |
| set outlet:xx level:yy | Set the relay-state of the | To set the relay-state of the |
| relay-state:zz | specified outlet to zz | outlet. Value: On, Off, Power- |
| | ' | cycle |
| set outlet:xx level:yy | Reset he peak current | To reset the peak current |
| peak:reset | loading of the specified | loading of the outlet to zero |
| | outlet to zero | with timestamp updated. |
| set outlet:xx level:yy | Reset the cumulative | To reset the cumulative |
| cumulative-energy:reset | energy of the specified | energy of the outlet to zero |
| | outlet to zero | with timestamp updated. |



< 4.7 > Get Sensors

| get sensor help get sensor:xx get sensor:xx level:yy name get sensor:xx level:yy location get sensor:xx level:yy activation get sensor:xx level:yy type get sensor:xx level:yy connect- state get sensor:xx level:yy alarm-state The activation state of the specified sensor The sensor type of the specified file sensor. 2=Temp/TH, 3=Door, 5=Smoke To retrieve the sensor type of the sensor. 2=Temp/TH, 3=Door, 5=Smoke To retrieve the connect state of the specified sensor To retrieve the connect state of the specified sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor : 10=themp sensor |
|--|
| get sensor:xx level:yy name specified sensor name of the specified sensor of the sensor. get sensor:xx level:yy location get sensor:xx level:yy activation specified sensor sensor sensor sensor sensor:xx level:yy activation sensor se |
| Sevel:yy name Specified sensor Of the sensor Get sensor:xx Ievel:yy location Specified sensor Iocation of the sensor Iocation Iocation of the sensor Iocation Io |
| get sensor:xx level:yy location get sensor:xx level:yy activation get sensor:xx level:yy activation get sensor:xx level:yy type get sensor type of the specified sensor get sensor:xx level:yy type get sensor:xx level:yy type get sensor:xx level:yy connect-state get sensor:xx level:yy alarm-state get sensor:xx level:yy type get sensor:xx level:yy temp-measurement get sensor location of the sensor location of the sensor. To retrieve the sensor type of the sensor location of the sensor location of the sensor location of the sensor. To retrieve the sensor type of the sensor in degree C or F depends on location of the sensor location of the sensor. To retrieve the sensor locativated To retrieve the locativated of the sensor in location of the sensor location of the sensor in location of the sensor location of the sensor in location of the sensor location of the sensor in location of the sensor location of the sensor in location of the sensor location of the sensor in location of the sensor location of the sensor in location of the sensor location of the sensor in location of the sensor in location of the sensor location of the |
| Ievel:yy location get sensor:xx The activation state of the specified sensor To retrieve the activation state of the specified sensor The sensor type of the specified sensor To retrieve the activation state of the sensor. 1=activated, 0=deactivated To retrieve the sensor type of the sensor sensor The sensor type of the specified sensor The connect state of the sensor. 2=Temp/TH, 3=Door, 5=Smoke |
| get sensor:xx level:yy activation get sensor:xx level:yy type The sensor type of the specified sensor The sensor type of the specified sensor. 1=activated, 0=deactivated of the sensor. 2=Temp/TH, 3=Door, 5=Smoke The connect state of the specified sensor. 2=disconnect state of the sensor:xx level:yy connect-state get sensor:xx In the connect state of the specified sensor specified sensor. 2=disconnect The activation state of the specified sensor. 2=Temp/TH, 3=Door, 5=Smoke To retrieve the sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor : 10=elarm sensor : 10=elarm, 01=humid sensor rising alert, 02=humid sensor rising alert, 02=humid sensor rising alert, 02=humid sensor : 10=elarm, 00=close sensor : 10=elarm, 00=normal To retrieve the sensor. Temp /TH sensor : 00=normal, 10=temp sensor rising alert, 02=humid sensor rising alert, 02=humid sensor rising alert, 02=humid sensor : 10=elarm, 00=normal To retrieve the sensor. To retrieve the sensor : 10=elarm sensor : 10=elarm, 00=normal To retrieve the sensor : 10=elarm, 00=normal To retrieve the sensor : 10=elarm, |
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| get sensor:xx level:yy type The sensor type of the specified sensor. 2=Temp/TH, 3=Door, 5=Smoke get sensor:xx level:yy connect-state get sensor:xx level:yy alarm-state The connect state of the specified sensor specified sensor. 1=connected, 2=disconnect The alarm state of the specified sensor. 1=connected, 2=disconnect To retrieve the connect state of the sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor. Temp /TH sensor:00=normal, 10=temp sensor alarm, 01=humid sensor rising alert, 02=humid sensor rising alert, 02=humid sensor rising alert, 02=humid sensor : 10=open, 00=close Smoke sensor: 10=alarm, 00=normal get sensor:xx level:yy temp-measurement To retrieve the sensor type of the sensor type of the sensor type of the sensor in degree C or F depends on |
| level:yy type get sensor:xx level:yy connect- state get sensor:xx level:yy alarm-state The connect state of the specified sensor get sensor:xx level:yy alarm-state The alarm state of the specified sensor get sensor:xx level:yy alarm-state The alarm state of the specified sensor The alarm state of the specified sensor The alarm state of the specified sensor To retrieve the alarm state of the sensor: 00=normal, 10=temp sensor alarm, 01=humid sensor alarm, 01=humid sensor rising alert, 02=humid sensor rising alert, 02=humid sensor rising alert, 02=humid sensor: 10=open, 00=close Smoke sensor: 10=alarm, 00=normal get sensor:xx level:yy temp- measurement The temp. reading of the specified sensor in degree C or F depends on |
| get sensor:xx level:yy connect-state of the specified sensor state of the sensor:xx level:yy alarm-state The alarm state of the specified sensor sensor The alarm state of the specified sensor. The alarm state of the specified sensor. The alarm state of the specified sensor. To retrieve the alarm state of the sensor. Temp /TH sensor:00=normal, 10=temp sensor alarm, 01=humid sensor rising alert, 02=humid sensor rising alert, 02=humid sensor rising alert Door sensor: 10=open, 00=close Smoke sensor: 10=alarm, 00=normal The temp. reading of the specified sensor in degree C or F depends on |
| get sensor:xx level:yy connect-state specified sensor state of the specified sensor state of the sensor. 1=connect state of the sensor. 1=connected, 2=disconnect get sensor:xx level:yy alarm-state The alarm state of the specified sensor sensor The alarm state of the specified sensor. To retrieve the alarm state of the sensor. Temp /TH sensor:00=normal, 10=temp sensor alarm, 01=humid sensor rising alert, 02=humid sensor rising alert, 02=humid sensor rising alert Door sensor: 10=open, 00=close Smoke sensor: 10=alarm, 00=normal get sensor:xx level:yy temp-measurement To retrieve the connect state of the sensor. To retrieve the sensor. To retrieve the sensor in degree C or F depends on |
| level:yy connect- state get sensor:xx level:yy alarm-state The alarm state of the specified sensor sensor The alarm state of the specified sensor. The alarm state of the specified sensor. To retrieve the alarm state of the sensor. Temp /TH sensor:00=normal, 10=temp sensor alarm, 01=humid sensor rising alert, 02=humid sensor rising alert, 02=humid sensor rising alert Door sensor: 10=open, 00=close Smoke sensor: 10=alarm, 00=normal get sensor:xx level:yy temp- measurement The temp. reading of the specified sensor measurement of the sensor. 1=connected, 2=disconnect To retrieve the alarm state of the sensor: Temp /TH sensor:00=normal, 10=temp sensor rising alert, 02=humid sensor rising alert, 00=normal To retrieve the temp. reading of the sensor in degree C or F depends on |
| state2=disconnectget sensor:xx level:yy alarm-stateThe alarm state of the specified sensorTo retrieve the alarm state of the sensor.Temp /TH sensor :00=normal, 10=temp sensor alarm, 01=humid sensor rising alert, 02=humid sensor rising alert, Door sensor : 10=open , 00=close Smoke sensor : 10=alarm, 00=normalget sensor:xx level:yy temp- measurementThe temp. reading of the specified sensorTo retrieve the temp. reading of the sensor in degree C or F depends on |
| get sensor:xx level:yy alarm-state The alarm state of the specified sensor To retrieve the alarm state of the sensor. Temp /TH sensor :00=normal, 10=temp sensor alarm, 01=humid sensor rising alert, 02=humid sensor rising alert Door sensor : 10=open , 00=close Smoke sensor : 10=alarm, 00=normal get sensor:xx level:yy temp-measurement To retrieve the alarm state of the sensor. Temp /TH sensor :00=normal, 10=temp sensor alarm, 01=humid sensor rising alert, 02=humid sensor in 10=open , 00=close Smoke sensor : 10=alarm, 00=normal To retrieve the alarm state of the sensor in degree C or F depends on |
| level:yy alarm-state sensor the sensor. Temp /TH sensor :00=normal, 10=temp sensor alarm, 01=humid sensor rising alert, 02=humid sensor rising alert Door sensor : 10=open , 00=close Smoke sensor : 10=alarm, 00=normal get sensor:xx level:yy temp-measurement The temp. reading of the sensor in degree C or F depends on |
| Temp /TH sensor :00=normal, 10=temp sensor alarm, 01=humid sensor rising alert, 02=temp sensor rising alert, 02=humid sensor rising alert Door sensor : 10=open , 00=close Smoke sensor : 10=alarm, 00=normal get sensor:xx level:yy temp-measurement The temp. reading of the sensor in degree C or F depends on |
| sensor :00=normal, 10=temp sensor alarm, 01=humid sensor rising alert, 02=humid sensor rising alert Door sensor : 10=open , 00=close Smoke sensor : 10=alarm, 00=normal get sensor:xx level:yy temp- measurement The temp. reading of the specified sensor reading of the sensor in degree C or F depends on |
| get sensor:xx level:yy temp-measurement 01=humid sensor alarm, 20=temp sensor rising alert, 02=humid sensor rising alert Door sensor: 10=open, 00=close Smoke sensor: 10=alarm, 00=normal The temp. reading of the specified sensor reading of the sensor in degree C or F depends on |
| 20=temp sensor rising alert, 02=humid sensor rising alert Door sensor : 10=open , 00=close Smoke sensor : 10=alarm, 00=normal get sensor:xx level:yy temp- measurement The temp. reading of the specified sensor reading of the sensor in degree C or F depends on |
| get sensor:xx level:yy temp-measurement 02=humid sensor rising alert Door sensor : 10=open , 00=close Smoke sensor : 10=alarm, 00=normal The temp. reading of the specified sensor reading of the sensor in degree C or F depends on |
| Door sensor : 10=open , 00=close Smoke sensor : 10=alarm, 00=normal get sensor:xx level:yy temp- measurement Door sensor : 10=open , 00=close Smoke sensor : 10=alarm, 00=normal To retrieve the temp. reading of the sensor in degree C or F depends on |
| get sensor:xx level:yy temp- measurement 00=close Smoke sensor : 10=alarm, 00=normal To retrieve the temp. reading of the sensor in degree C or F depends on |
| get sensor:xx level:yy temp- measurement Smoke sensor: 10=alarm, 00=normal To retrieve the temp. reading of the sensor in degree C or F depends on |
| get sensor:xx The temp. reading of the To retrieve the temp. reading of the sensor in degree C or F depends on |
| get sensor:xx |
| level:yy temp- measurement specified sensor reading of the sensor in degree C or F depends on |
| measurement degree C or F depends on |
| · · · · · · · · · · · · · · · · · · · |
| the temp unit setting of |
| system |
| get sensor:xx The temp. alarm state of the To retrieve the temp. alarm |
| level:yy temp-state specified sensor state of the sensor. |
| Value: Normal, |
| Alarm,R.Alert |
| get sensor:xx |
| level:yy temp-alarm specified sensor threshold of the sensor in |
| degree C or F depends on |
| the temp unit setting of |
| system The temp rising plort threshold. To retrieve the temp rising |
| get sensor:xx |
| alert tirreshold of the sensor in degree C or F depends |
| on the temp unit setting of |
| system |



| Command | Default value | Remarks |
|---------------------------------------|--|--|
| get sensor:xx level:yy humid- | The humidity reading of the specified sensor | To retrieve the humidity reading of the sensor in %. |
| measurement get sensor:xx | The humid. alarm state of the | To retrieve the humid. alarm |
| level:yy humid-state | specified sensor | state of the sensor. |
| | | Value: Normal, |
| got concerny | The humid. alarm threshold of | Alarm,R.Alert To retrieve the humid. Alarm |
| get sensor:xx level:yy humid-alarm | the specified sensor | threshold of the sensor in %. |
| get sensor:xx | The humid. rising alert threshold | To retrieve the humid. rising |
| level:yy humid-rising- | of the specified sensor | alert threshold of the sensor |
| alert | | in %. |



< 4.8 > Set Sensors

| Command | Default value | Remarks |
|------------------------|------------------------------------|---|
| set sensor help | N/A | To show the list of sensor |
| | | option can be set |
| set sensor:xx | To set the location of the | Length of location |
| level:yy location | specified sensor. | : 1 ~ 16. Valid input : 0~9, |
| | | A~Z, a~z, underscore, dash & full-stop. |
| set sensor:xx | To set the activation state of the | To set the activation state of |
| level:yy activation:zz | specified sensor | the sensor. 1=activate, |
| ,,, | | 0=deactivate |
| set sensor:xx | To set the sensor type of the | To set the sensor type of the |
| level:yy type:zz | specified sensor | sensor. 2=TH / Temp, |
| | • | 3=Door, 5=Smoke |
| set sensor:xx | To set the temp. alarm threshold | To set the temp. Alarm |
| level:yy temp- | of the specified sensor | threshold of the sensor in |
| alarm:zz | | degree C or F depends on |
| | | the temp unit setting of |
| | | system. Temp alarm |
| | | threshold must be greater |
| | | than temp. rising alert |
| | | threshold. |
| set sensor:xx | To set the temp. rising alert | To set the temp. rising alert |
| level:yy temp-rising- | threshold of the specified sensor | threshold of the sensor in |
| alert:zz | | degree C or F depends on |
| | | the temp unit setting of |
| | | system. Temp. rising alert |
| | | threshold equals to 0.0 |
| | | means disable. |
| set sensor:xx | To set the humid. alarm | To set the humid. Alarm |
| level:yy humid- | threshold of the specified sensor | threshold of the sensor in %. |
| alarm:zz | To got the a harmaid minimum alors | To pak the a hormanial minimum allows |
| set sensor:xx | To set the humid. rising alert | To set the humid. rising alert |
| level:yy humid-rising- | threshold of the specified sensor | threshold of the sensor in %. |
| alert:zz | | Temp. rising alert threshold |
| | | equals to 0.0 means disable. |
| | | นเรสมเย. |



< Part 5 > Outlet Notation

| Outlet Type | Notation |
|---------------------------------|----------------|
| IEC C13 | 1 |
| IEC C19 | 2 |
| BS-1363 | 3 |
| US NEMA | 4 |
| Schuko (CEE 7/4) | 5 |
| AS 3112 | 6 |
| French (CEE 7/5) | 7 |
| L13 (IEC C13 with slide lock) | Z |
| L19 (IEC C19 with slide lock) | [|
| X19 | \ |
| CX13 | ٨ |
| CX19 | _ (underscore) |
| South Africa (Type M) | R |
| International | S |



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