



CONFIGURATION TOOL

CS0-AC2

10/28/2024

The module is configured via the PTT_CM04P_AC02_Tools.exe tool which can be downloaded from <https://www.pythiatech.com/downloads>. The tool is an “Administrator Command Line” tool and requires Administrator access.



(740) 363-2272

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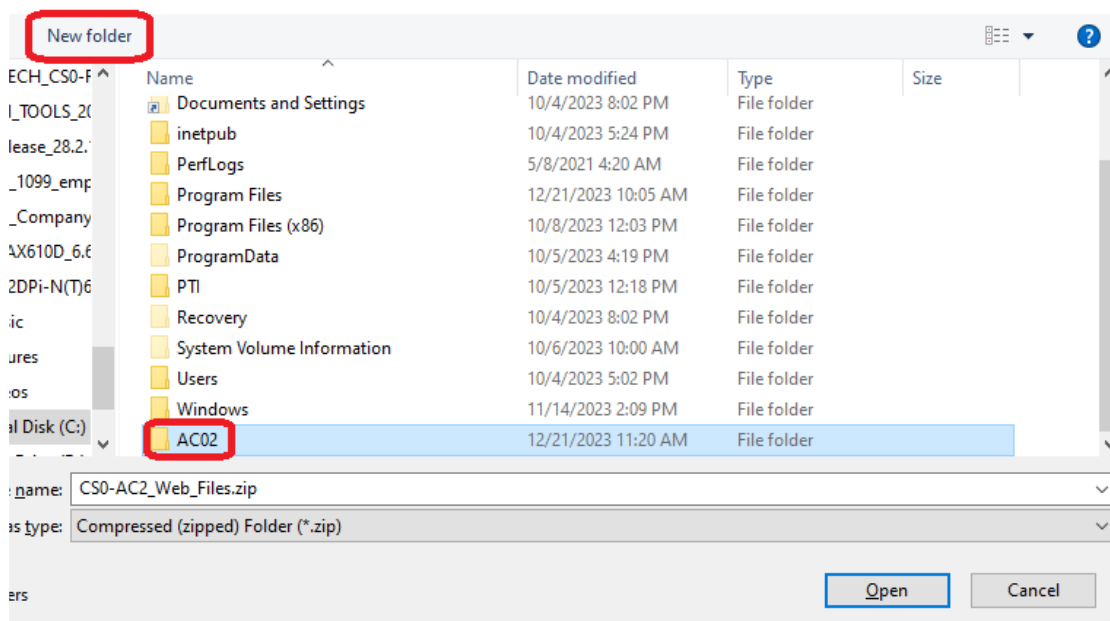
DOWNLOADS

CS0-AC2 - Auto Changeover 2 (CM04P) Documentation

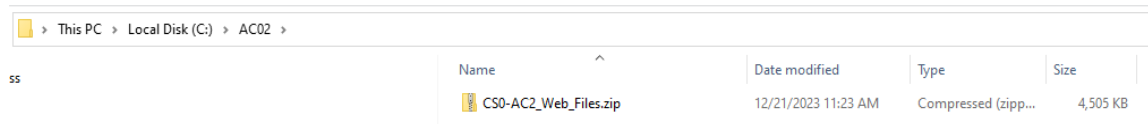
(zip)

[Download](#)


Click on the link to download the file. Select your “C:” drive and “New Folder” and enter “AC02” for the folder name.

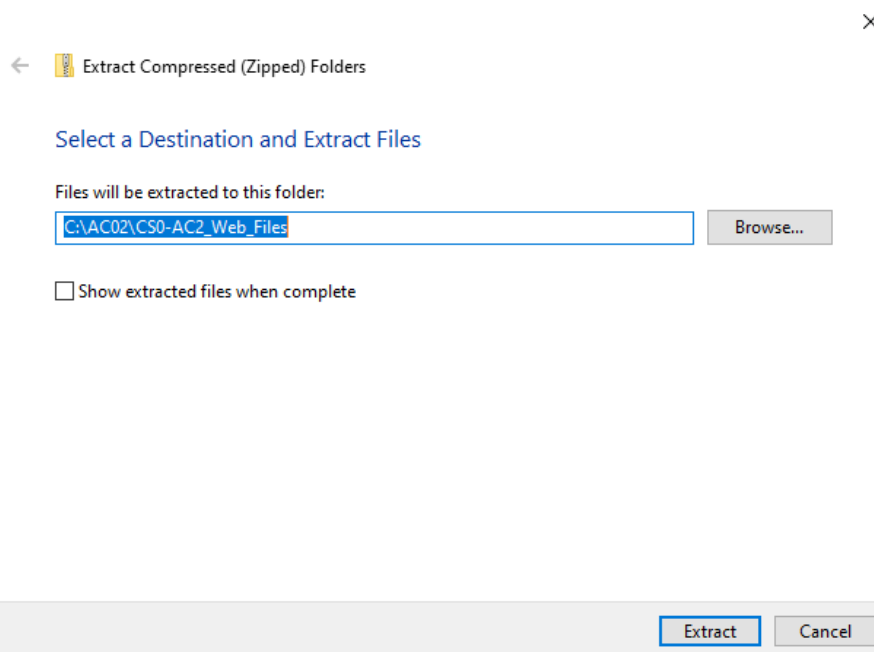


The ZIP file should be located in the new folder.











Right-click on the ZIP file and select “Extract All” and “Extract”.

Name	Date modified	Type	Size
 CS0-AC2_Web_Files.zip	12/21/2023 11:23 AM	Compressed (zipp...	4,505 KB

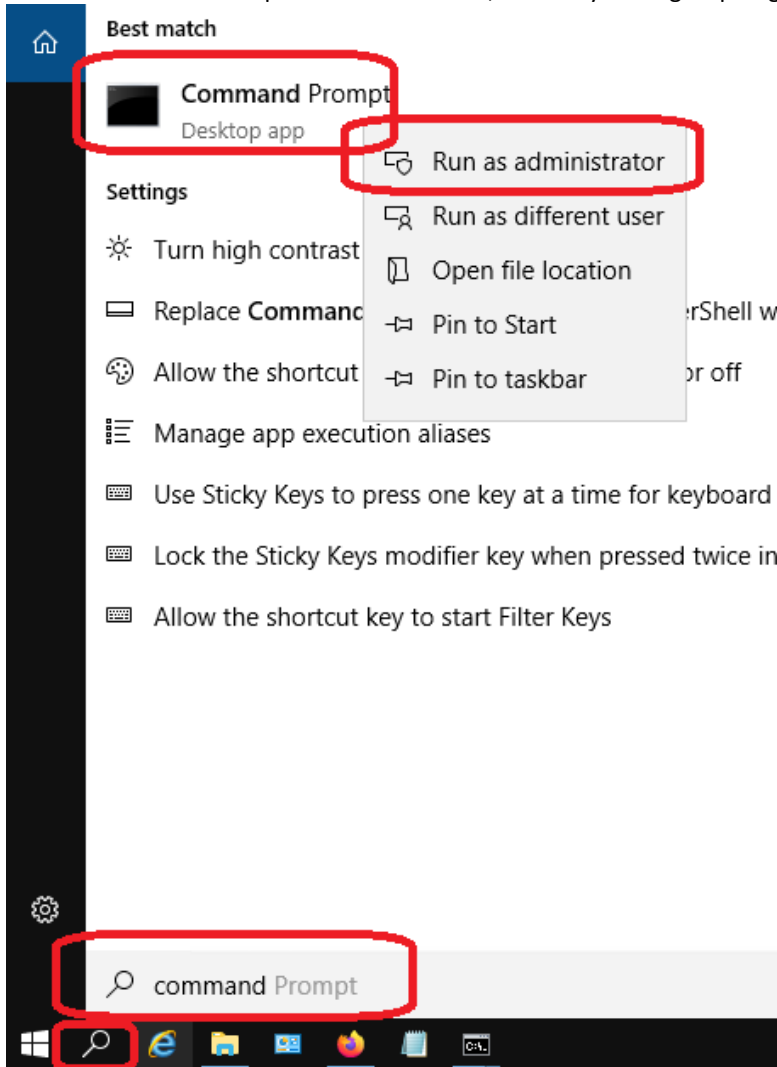


Click on the new “CS0-AC2_Web_Files” folder to see the list of files.

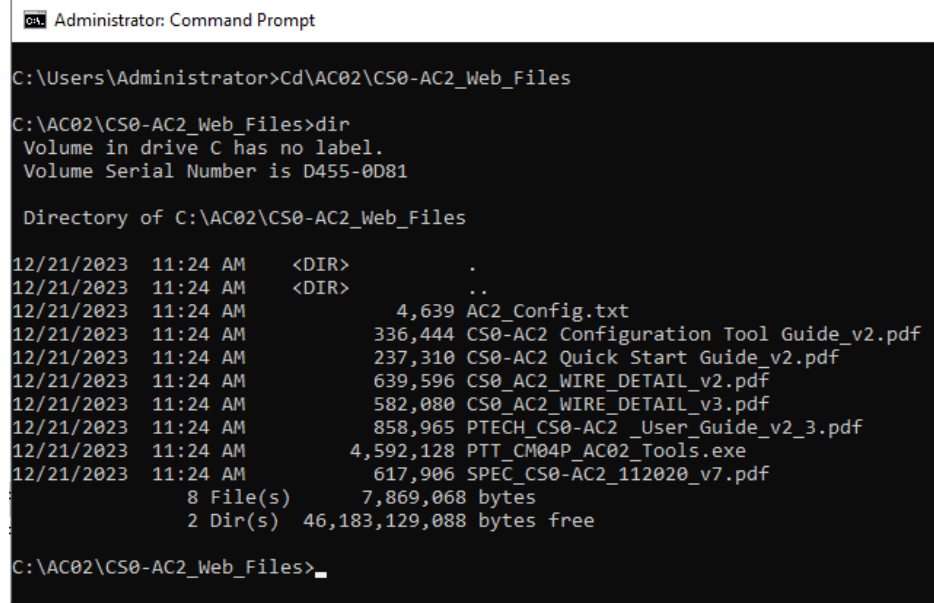
> This PC > Local Disk (C:) > AC02 > CS0-AC2_Web_Files

Name	Date modified	Type	Size
 AC2_Config.txt	12/21/2023 11:24 AM	Text Document	5 KB
 CS0_AC2_WIRE_DETAIL_v2.pdf	12/21/2023 11:24 AM	Firefox PDF Docu...	625 KB
 CS0_AC2_WIRE_DETAIL_v3.pdf	12/21/2023 11:24 AM	Firefox PDF Docu...	569 KB
 CS0-AC2 Configuration Tool Guide_v2.pdf	12/21/2023 11:24 AM	Firefox PDF Docu...	329 KB
 CS0-AC2 Quick Start Guide_v2.pdf	12/21/2023 11:24 AM	Firefox PDF Docu...	232 KB
 PTECH_CS0-AC2_User_Guide_v2_3.pdf	12/21/2023 11:24 AM	Firefox PDF Docu...	839 KB
 PTT_CM04P_AC02_Tools.exe	12/21/2023 11:24 AM	Application	4,485 KB
 SPEC_CS0-AC2_112020_v7.pdf	12/21/2023 11:24 AM	Firefox PDF Docu...	604 KB

Click on the Search icon, type “Command”, right-click on “Command Prompt” and select “Run as administrator”. If this option is not available, contact your IT group to give you the required access.



Change directory to the location of the unzipped files.



```

Administrator: Command Prompt

C:\Users\Administrator>Cd\AC02\CS0-AC2_Web_Files

C:\AC02\CS0-AC2_Web_Files>dir
Volume in drive C has no label.
Volume Serial Number is D455-0D81

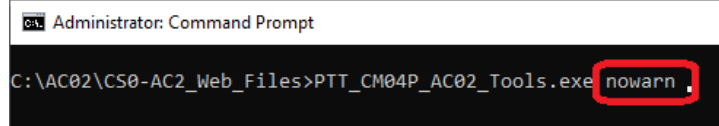
Directory of C:\AC02\CS0-AC2_Web_Files

12/21/2023  11:24 AM    <DIR>          .
12/21/2023  11:24 AM    <DIR>          ..
12/21/2023  11:24 AM                4,639  AC2_Config.txt
12/21/2023  11:24 AM            336,444 CS0-AC2 Configuration Tool Guide_v2.pdf
12/21/2023  11:24 AM            237,310 CS0-AC2 Quick Start Guide_v2.pdf
12/21/2023  11:24 AM            639,596 CS0_AC2_WIRE_DETAIL_v2.pdf
12/21/2023  11:24 AM            582,080 CS0_AC2_WIRE_DETAIL_v3.pdf
12/21/2023  11:24 AM            858,965 PTECH_CS0-AC2_User_Guide_v2_3.pdf
12/21/2023  11:24 AM          4,592,128 PTT_CM04P_AC02_Tools.exe
12/21/2023  11:24 AM            617,906 SPEC_CS0-AC2_112020_v7.pdf
               8 File(s)          7,869,068 bytes
               2 Dir(s)  46,183,129,088 bytes free

C:\AC02\CS0-AC2_Web_Files>_
  
```

NOTE: To avoid the popup warning, include the “nowarn” option before any command option on the command line as shown in the examples below.

Type the command name to see a list of commands and options.



```

Administrator: Command Prompt

C:\AC02\CS0-AC2_Web_Files>PTT_CM04P_AC02_Tools.exe nowarn .
  
```

Default Network Configuration

- IP Address: 169.254.254.1, 255.255.0.0, 169.254.254.254
- Modbus Address: 2
- Serial Configuration: 19200, 8, N, 1

Note: If your computer is configured for DHCP, it will default to a 169.254.x.x. IP address and you should be able to communicate with the module without configuring a static IP address. Otherwise, configure your computer with a static IP address on the same subnet. For example: 169.254.254.10, 255.255.0.0. Gateway is not required.

Default Panel Configuration

- Unit 1 = Primary, N.O. connection
- Unit 2 = Standby, N.O connection
- Failover = Enabled
- Latch Primary Alarm = Enabled
- Latch Primary On = Enabled
- Auto Changeover = Enabled, Wednesday @ 9am
- Temperature Staging = Disabled

Configuration Commands

To see the available commands and options, type "PTT_CM04P_AC02_TOOLS" and press enter. Note: Commands must be run from an Administrator command prompt.

To see additional for information for each command option, type

Ex: PTT_CM04P_AC02_TOOLS IPHELP

To see current module configuration,

IPGETCONFIG <ip_address>

Ex: PTT_CM04P_AC02_TOOLS IPGETCONFIG 169.254.254.1

Step 1: Configure module IP address if required.

IPSETIP <existing_ip_address> <new_ip_address> <new_netmask> <new_gateway>

Ex: PTT_CM04P_AC02_TOOLS IPSETIP 169.254.254.1 192.168.1.1 255.255.255.0 192.168.1.254

Step 2: Configure module time. The module will sync with current PC time.

IPSETTIME <ip_address>

Ex: PTT_CM04P_AC02_TOOLS IPSETTIME 169.254.254.1

Step 3: Configure each Unit Cycle Time – default is 10-minutes.

IPSETUNITSCYCLETIME <ip_address> <cycle_minutes>

Ex: PTT_CM04P_AC02_TOOLS IPSETUNITSCYCLETIME 169.254.254.1 5

Step 4: Configure Primary unit's Alarm Delay as "0-600 seconds" - default is 10-seconds.

IPSETALARMDELAY <ip_address> <delay_seconds>

Ex: PTT_CM04P_AC02_TOOLS IPSETALARMDELAY 169.254.254.1 30

Step 5A: Configure Primary unit to Latch On in alarm as "0=NO (default)", "1=YES".

IPSETLATCHPRIMARYON <ip_address> <latch_mode>

Ex: PTT_CM04P_AC02_TOOLS IPSETLATCHPRIMARYON 169.254.254.1 1

Step 5B: Configure Primary unit alarm to Latch On in alarm as "0=NO (default)", "1=YES".

IPSETLATCHPRIMARYALARM <ip_address> <latch_mode>

Ex: PTT_CM04P_AC02_TOOLS IPSETLATCHPRIMARYALARM 169.254.254.1 1

Step 6: Configure each unit's Mode as "0=OFF (default)", "1=ON", "2=STANDBY" or "3=PRIMARY".

IPSETUNIT1MODE <ip_address> <unit_mode>

Ex: PTT_CM04P_AC02_TOOLS IPSETUNIT1MODE 169.254.254.1 3

IPSETUNIT2MODE <ip_address> <unit_mode>

Ex: PTT_CM04P_AC02_TOOLS IPSETUNIT2MODE 169.254.254.1 2

Step 7: Configure each unit's wiring Connection as "0=Normally Open (default)", "1=Normally Closed".

IPSETUNIT1CONNECTION <ip_address> <unit_connection>

Ex: PTT_CM04P_AC02_TOOLS IPSETUNIT1CONNECTION 169.254.254.1 0

IPSETUNIT2CONNECTION <ip_address> <unit_connection>

Ex: PTT_CM04P_AC02_TOOLS IPSETUNIT2CONNECTION 169.254.254.1 0

Step 8: Configure Failover as "0=DISABLED", "1=ENABLED (default)".

IPSETFAILOVER <ip_address> <fail_mode>

Ex: PTT_CM04P_AC02_TOOLS IPSETFAILOVER 169.254.254.1 1

Step 9: Configure Auto Changeover as "0=Disabled (default)", "1=Day of Week" "2=Day of Month" "3=Days".

IPSETAUTOCHANGEVER <ip_address> <auto_mode>

Ex: PTT_CM04P_AC02_TOOLS IPSETAUTOCHANGEVER 169.254.254.1 3 **Days

Step 10A: Configure Auto Changeover Period as “Day of Week (0-6 0=Sunday)”, “Day of Month (1-31)”, “Days (1-62)”.

IPSETAUTOCHANGEPERIOD <ip_address> <auto_period>

Ex: PTT_CM04P_AC02_TOOLS IPSETAUTOCHANGEPERIOD 169.254.254.1 30 **Days

Step 10B: Configure Auto Changeover Hour as “0-23 (default=0)”.

IPSETAUTOCHANGEVER <ip_address> <auto_mode>

Ex: PTT_CM04P_AC02_TOOLS IPSETAUTOCHANGEHOUR 169.254.254.1 12

Step 10C: Configure Auto Changeover Minute as “0-59 (default=0)”.

IPSETAUTOCHANGEMIN <ip_address> <auto_minute>

Ex: PTT_CM04P_AC02_TOOLS IPSETAUTOCHANGEMIN 169.254.254.1 30

Step 11: Configure Temperature Staging as “0=DISABLED (default)”, “1=ENABLED”.

IPSETTEMPSTAGE <ip_address> <tempstage_mode>

Ex: PTT_CM04P_AC02_TOOLS IPSETTEMPSTAGE 169.254.254.1 1

Step 11A: Configure Temperature Staging Temperature 1 as “45-95 (default=75)”.

IPSETTEMPSTAGE1 <ip_address> <temperature>

Ex: PTT_CM04P_AC02_TOOLS IPSETTEMPSTAGE1 169.254.254.1 70

Step 11B: Configure Temperature Staging Temperature 2 as “45-95 (default=80)”.

IPSETTEMPSTAGE2 <ip_address> <temperature>

Ex: PTT_CM04P_AC02_TOOLS IPSETTEMPSTAGE2 169.254.254.1 78

Step 11C: Configure Temperature Staging Temperature Range as “0-10 (default=5)”.

IPSETTEMPSTAGERANGE <ip_address> <tempstage_range>

Ex: PTT_CM04P_AC02_TOOLS IPSETTEMPRANGE 169.254.254.1 2

COMMANDS

SHOWDEFAULTS

SHOWMODBUSREGISTERS

IP Commands:

IPHELP

IPSCAN

IPGETCONFIG <ip_address>

IPSETIP <existing_ip_address> <new_ip_address> <new_netmask> <new_gateway>

IPSETMODBUS <ip_address> <modbus_address>

IPSETBAUD1 <ip_address> <new_baud_rate1>

IPSETREBOOT <ip_address>

IPSETBUZZER <ip_address>

IPSETBUZZERVOLUME <ip_address> <buzzer_volume>

IPSETTIME <ip_address>

IPSETUNITSCYCLETIME <ip_address> <cycle_minutes>

IPSETLATCHPRIMARYALARM <ip_address> <latch_mode>

IPSETLATCHPRIMARYON <ip_address> <latch_mode>

IPSETALARMDELAY <ip_address> <delay_seconds>

IPSETUNIT1MODE <ip_address> <unit_mode>

```

IPSETUNIT1CONNECTION <ip_address> <unit_connection>
IPSETUNIT2MODE <ip_address> <unit_mode>
IPSETUNIT2CONNECTION <ip_address> <unit_connection>
IPSETFAILOVER <ip_address> <fail_mode>
IPSETAUTOCHANGEOVER <ip_address> <auto_mode>
IPSETAUTOCHANGEPERIOD <ip_address> <auto_period>
IPSETAUTOCHANGEHOUR <ip_address> <auto_hour>
IPSETAUTOCHANGEMIN <ip_address> <auto_minute>
IPSETTEMPSTAGE <ip_address> <tempstage_mode>
IPSETTEMPSTAGE1 <ip_address> <temperature>
IPSETTEMPSTAGE2 <ip_address> <temperature>
IPSETTEMPSTAGERANGE <ip_address> <tempstage_range>

```

Options:

```

<baud_rate1>
    9600 19200 38400
<modbus_address>
    Modbus=1-254
<buzzer_volume>
    1=LOW 2=MED 10=HIGH (1-10)
<cycle_minutes>
    0-59
<latch_mode>
    0=No 1=Yes
<delay_seconds>
    0-599
<unit_mode>
    0=Off 1=On 2=Standby 3=Primary
<unit_connection>
    0=Normally Open 1=Normally Closed
<fail_mode>
    0=Disabled 1=Enabled
<auto_mode>
    0=Disabled 1=Day of Week 2=Day of Month 3=Days
<auto_period>
    Day of Week (0-6) Day of Month (1-31) Days (1-62)
<auto_hour>
    0-23
<auto_minute>
    0-59
<tempstage_mode>
    0=Disabled 1=Enabled
<temperature>
    45-95
<tempstage_range>
    0-10

```

COMMANDS HELP

IPHELP

Show HELP for IP commands.

IPSCAN

Scan available IP addresses for module - local subnets only.

IPGETCONFIG <ip_address>

Get module configuration.

IPSETIP <existing_ip_address> <new_ip_address> <new_netmask> <new_gateway>
Set module IP address configuration.

IPSETMODBUS <ip_address> <modbus_address>
Set module Modbus address.

IPSETBAUD01 <ip_address> <new_baud_rate1>
Change module baud rate.

IPSETREBOOT <ip_address>
Reboot module

IPSETBUZZER <ip_address>
Silence Buzzer

IPSETBUZZERVOLUME <ip_address> <buzzer_volume>
Configure Buzzer Volume

IPSETTIME <ip_address>
Sync module time with PC time

IPSETUNITSCYCLETIME <ip_address> <cycle_minutes>
Configure units' cycle On/Off time.

IPSETLATCHPRIMARYALARM <ip_address> <latch_mode>
Configure latch primary alarm.

IPSETLATCHPRIMARYON <ip_address> <latch_mode>
Configure latch primary on.

IPSETALARMDELAY <ip_address> <delay_seconds>
Configure alarm delay.

IPSETUNIT1MODE <ip_address> <unit_mode>
Configure unit 1 mode.

IPSETUNIT1CONNECTION <ip_address> <unit_connection>
Configure unit 1 wiring connection.

IPSETUNIT2MODE <ip_address> <unit_mode>
Configure unit mode.

IPSETUNIT2CONNECTION <ip_address> <unit_connection>
Configure unit 1 wiring connection.

IPSETFAILOVER <ip_address> <fail_mode>
Configure failover operation.

IPSETAUTOCHANGEOVER <ip_address> <auto_mode>
Configure auto changeover operation.

IPSETAUTOCHANGEPERIOD <ip_address> <auto_period>
Configure auto changeover period.

IPSETAUTOCHANGEHOUR <ip_address> <auto_hour>
Configure auto changeover hour.

IPSETAUTOCHANGEMIN <ip_address> <auto_minute>
Configure auto changeover minute.

IPSETTEMPSTAGE <ip_address> <tempstage_mode>
Configure temperature staging operation.

IPSETTEMPSTAGE1 <ip_address> <temperature>
Configure stage 1 temperature.

IPSETTEMPSTAGE2 <ip_address> <temperature>
Configure stage 2 temperature.

IPSETTEMPSTAGERANGE <ip_address> <tempstage_range>
Configure temperature range.

EXAMPLE CONFIGURATION

Model: CM04P (74-10)
Serial #: 000214C5
Firmware Version: 53.1
Hardware Version: 10
Current Module Time: Tuesday 11-03-2020 13:21:32

IP Mode: STATIC
IP Address: 169.254.254.1
Netmask: 255.255.0.0
Gateway: 169.254.254.254

Modbus Address: 2
Baud Rate1: 19200
Protocol1: Modbus/RTU

Setpoints:
Buzzer = On
Buzzer Volume = 3
Unit Cycle Time = 10
Primary Alarm Delay = 5
Latch Primary Alarm = Yes
Latch Primary On = Yes
Unit 1 Mode = Primary
Unit 1 Connection = Normally Open
Unit 2 Mode = Standby
Unit 2 Connection = Normally Open

Failover Mode = On
Autochangeover Mode = Day of Week
Autochangeover Period = 3
Autochangeover Hour = 09
Autochangeover Minute = 00
Temperature Staging Mode = Off
Temperature Stage 1 = 75
Temperature Stage 2 = 80
Temperature Range = 5

Status:
Unit 1 = On
Unit 2 = Off
Unit Hold = Off
Summary Alarm = Off
Unit 1 Alarm = Off
Unit 2 Alarm = Off
Buzzer = Off
Temperature = 73.94
Stage = 0

Contacts

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