



USER GUIDE

UPS Remote Status Panel
pn: CS0-RSP-UPS

Version 1.2 – 11/2022

Table of Contents

1. INTRODUCTION

2. GETTING STARTED

2.1 STATUS PANEL (CS0-RSP-UPS) WITHOUT OPTIONS:.....

2.2 STATUS PANEL (CS0-RSP-UPS) WITH ALL OPTIONS:

2.3 MOUNTING THE ENCLOSURE

2.4 POWER CONNECTION

2.5 LOW VOLTAGE CONNECTIONS (TYPICAL CONNECTIONS)

3. CONFIGURING THE REMOTE STATUS PANEL

3.1 CONFIGURING MODBUS RTU RS-485 COMMUNICATIONS

3.2 CONFIGURING MODBUS/TCP COMMUNICATIONS

3.3 CONFIGURING BACnet/IP COMMUNICATIONS

3.4 CONFIGURING SNMP COMMUNICATIONS.....

3

4

4

5

5

6

6

8

8

9

9

9

1. INTRODUCTION

The UPS Remote Status Panel is used to remotely monitor up to (6) UPS alarms via dry-contacts. The pn# CS0-RSP-UPS is wall mounted and can be located up to 500 feet from the monitored dry-contact. The panel uses LED's to visually display the monitored point input status along with a siren to alert users to alarm and new alarm conditions. An Acknowledge button allows user to silence alarms and provides a lamp test function when held for 10 seconds.

- | | | |
|--------------|---------------|-----------------|
| · On UPS | · On Bypass | · UPS Fault |
| · On Battery | · Low Battery | · Summary Alarm |

Additional standard features:

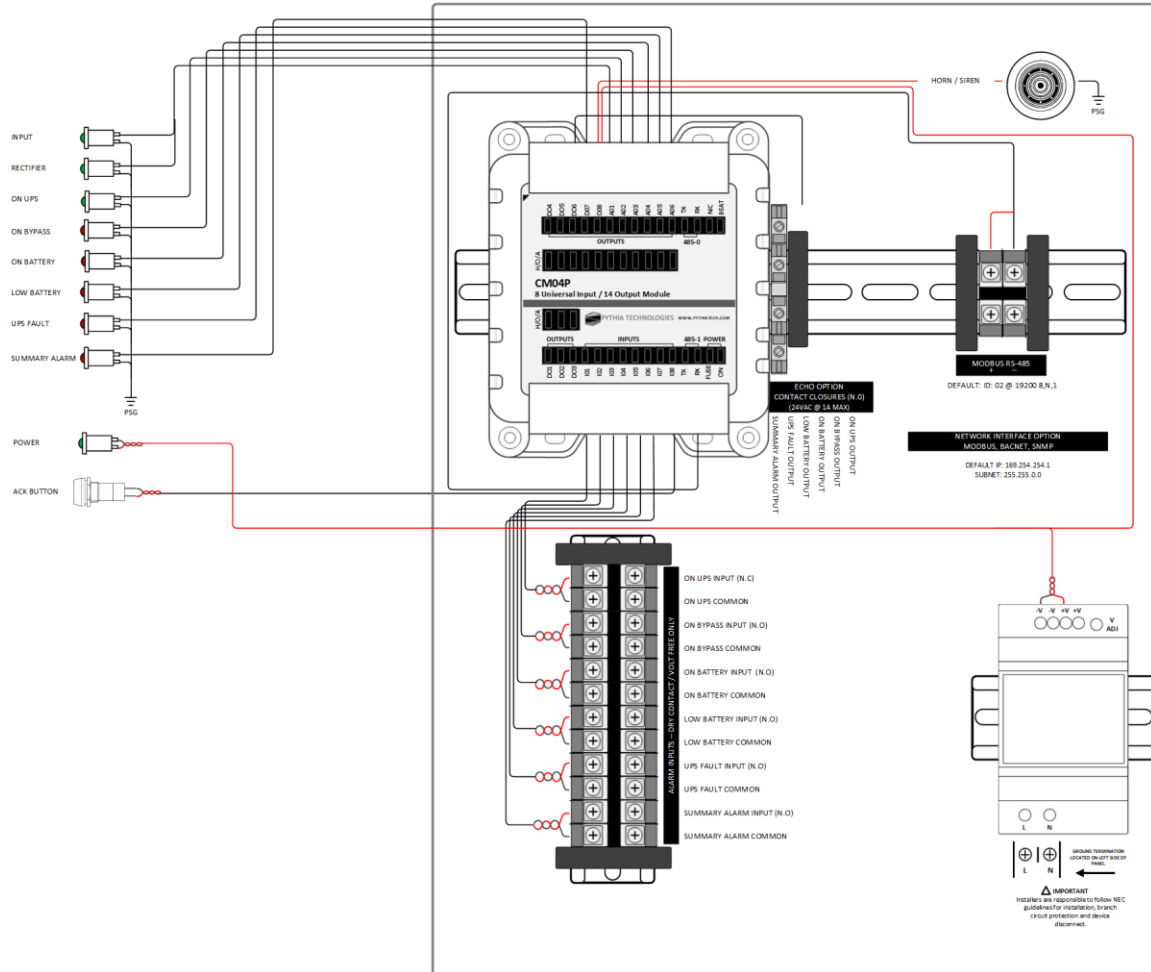
- Summary Alarm dry-contact output
- Modbus 485 communications

Echo Option: Provides (6 total) output contacts to mimic input alarm states for notifications to other systems.

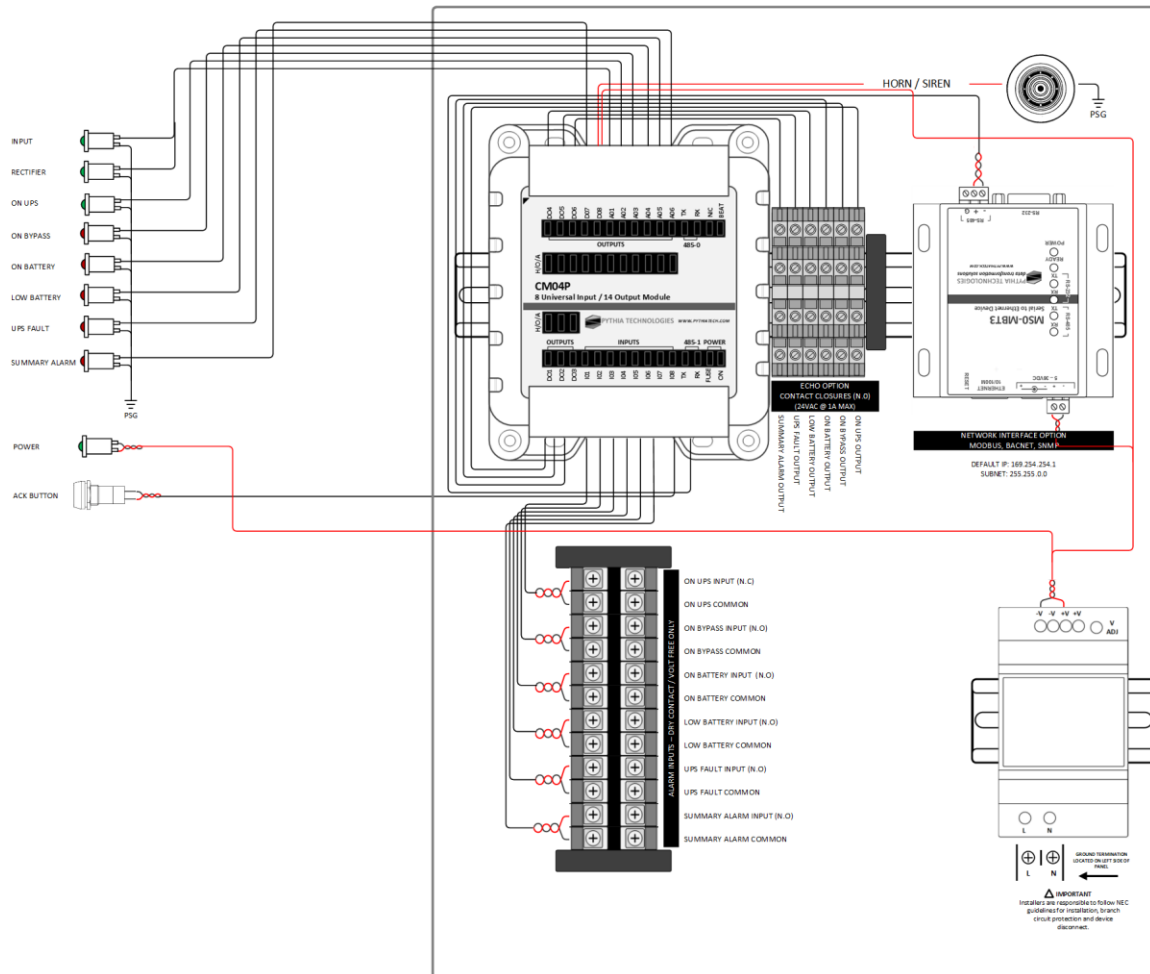
Network Option: Modbus/TCP or BACnet/IP or SNMP

2. GETTING STARTED

2.1 STATUS PANEL (CS0-RSP-UPS) WITHOUT OPTIONS:

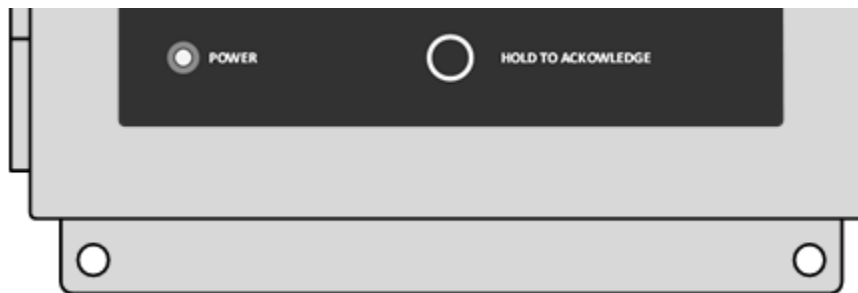


2.2 STATUS PANEL (CS0-RSP-UPS) WITH ALL OPTIONS:



2.3 MOUNTING THE ENCLOSURE

The CS0-RSP-UPS enclosure has a metal flange top and bottom for surface mounting. The panel weighs approximately 12lbs.

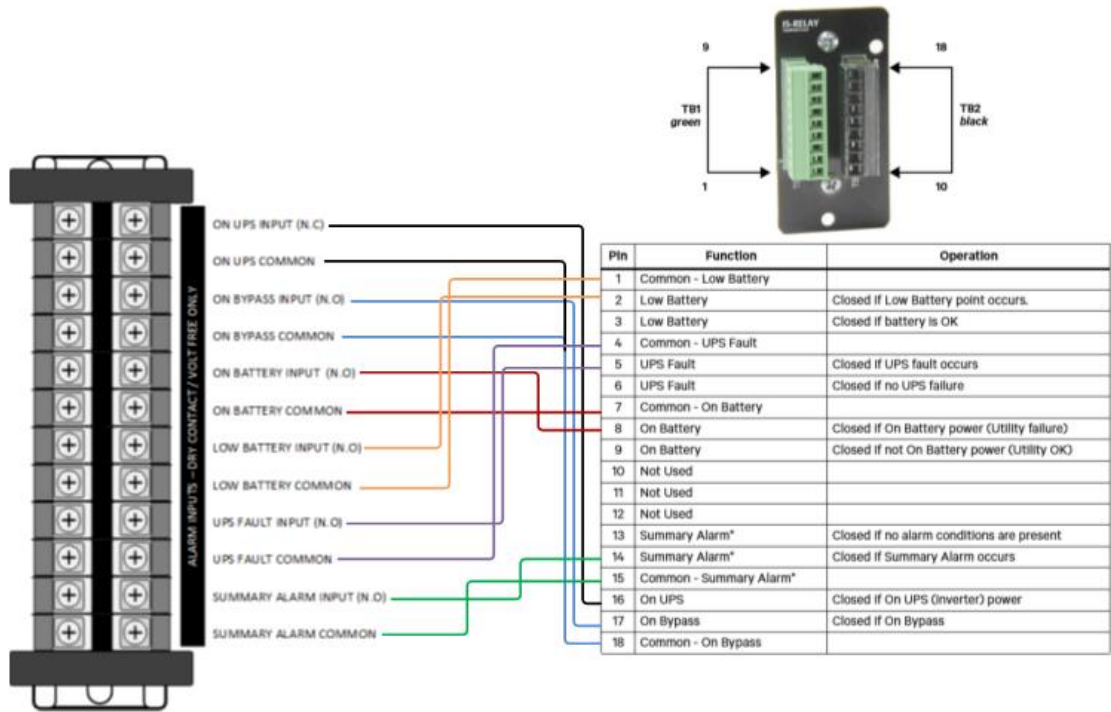


2.4 POWER CONNECTION

The CS0-RSP-UPS contains a 120/240-volt power supply that is located inside the panel. Installers will find the power supply with labeling for Line, and Neutral. The power supply will draw a maximum of 1.8 Amps, so a standard 15 Amp outlet will suffice.

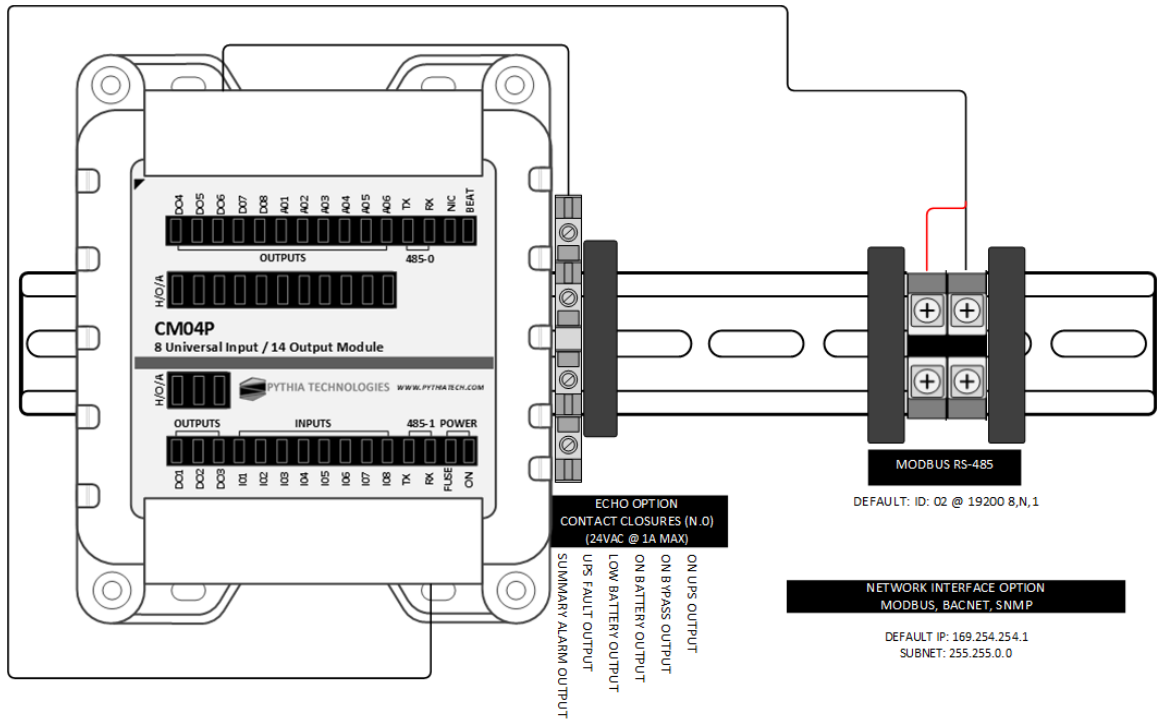


2.5 LOW VOLTAGE CONNECTIONS (TYPICAL CONNECTIONS)



MAIN CONNECTOR

DRY-CONTACT INPUTS: Monitored inputs connect to IN1 thru IN6 respectively. Contacts must be volt-free.

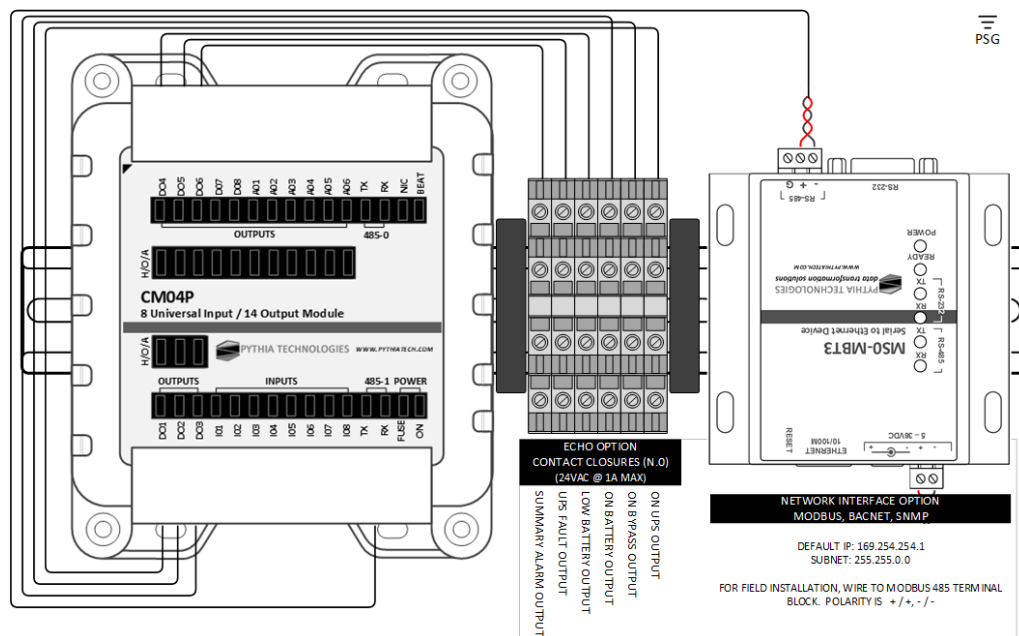


DRY-CONTACT OUTOUTS: Monitored inputs connect to IN1 thru IN6 are mimicked on outputs D01 – D06. The standard CS0-RSP-UPS will only have the Summary Alarm contact shown. All other alarms are available when the “Echo” option is selected.

Outputs are rated for 1A @ 24VAC.

MODBUS RTU RS-485: This terminal block is used for Modbus RTU communications.

Default: Device Slave Address: 02 @ 19,200, N, 8, 1



A fully optioned panel is shown here. The Modbus RTU RS-485 connector has been replaced with a Modbus to “x” protocol adapter. Options include: Modbus/TCP, BACnet/IP or SNMP.

Default IP: 169.254.254.1 / 255.255.0.0

3. CONFIGURING THE REMOTE STATUS PANEL

The CS0-RSP-UPS default panel does not require configuration to operate properly. Installers should verify that all H/O/A switches on the CM04P module are set to “A” for auto operation.

3.1 CONFIGURING MODBUS RTU RS-485 COMMUNICATIONS

Users will connect to the Modbus RTU RRS-485 connector in the panel. Polarity must be plus-to-plus and minus-to-minus.

Using a tool such as Modscan, users can change communication parameters and slave address as well as see the status of the panel.

Registers are unsigned 32-bit

40007	(Def: 002)	Modbus 1-254 / BACnet MSTP Address 1-126
40020	(Def: 6)	Baud Rate1 5=9600 6=19200 7=38400 8=57600 9=115200
47101	OUT1	ON UPS
47103	OUT2	ON BYPASS
47105	OUT3	ON BATTERY
47107	OUT4	LOW BATTERY
47109	OUT5	UPS FAULT
47111	OUT6	SUMMARY ALARM

3.2 CONFIGURING MODBUS/TCP COMMUNICATIONS

The MS0-MBT3 device contains a web page for configuration. Change the properties as required and select the “Save” button at the bottom. Users will then be prompted to reboot the module to apply the new settings.

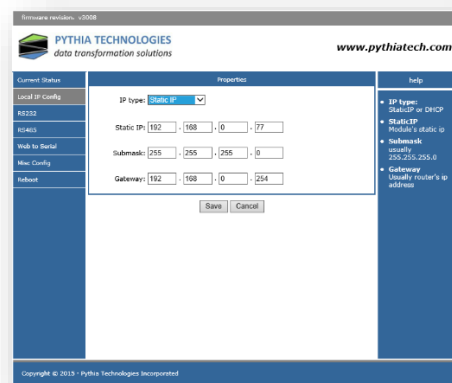
Default Properties:

IP address: 169.254.254.1

Subnet: 255.255.0.0

User Name: admin

Password: admin



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47111	OUT6	SUMMARY ALARM

- Note: If the MS0-MBT3 is factory formatted, all properties of the device will need to be reset for proper operation. The default IP will revert to 192.168.0.7 .

Consult www.pythiatech.com for the user manual and other collateral.

3.3 CONFIGURING BACnet/IP COMMUNICATIONS

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3.4 CONFIGURING SNMP COMMUNICATIONS

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