

GUIDE

Remote Status Panel 2-6 CS0-RSP2-06 12/18/2023

Table of Contents

1. ASSEMBLY

1.1 POWER SUPPLIES

1.1.1 120VAC to 24VDC

1.1.2 120VAC to 24VAC

2. LOW VOLTAGE CONNECTIONS

2.1 UNIT ALARM INPUT

2.2 COMMON ALARM OUTPUT RELAY

2.3 MODBUS/RTU STANDARD

2.4 MODBUS/TCP OPTION

3. LED TEST MODE

4. PANEL CONFIGURATION

5. MODBUS REGISTERS

3

4

4

4

4

4

4

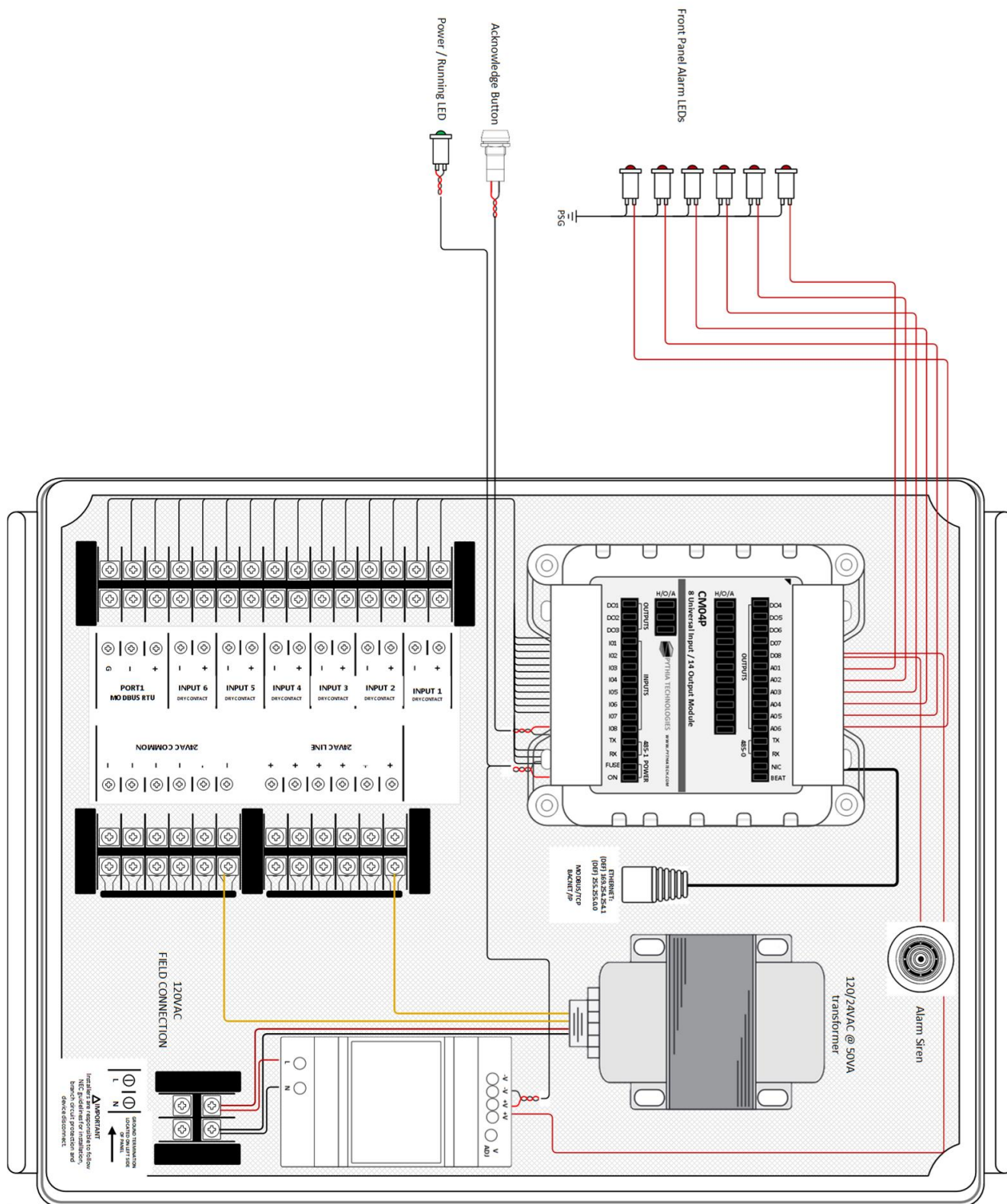
4

5

5

5

1. Assembly



1.1 Power Supplies

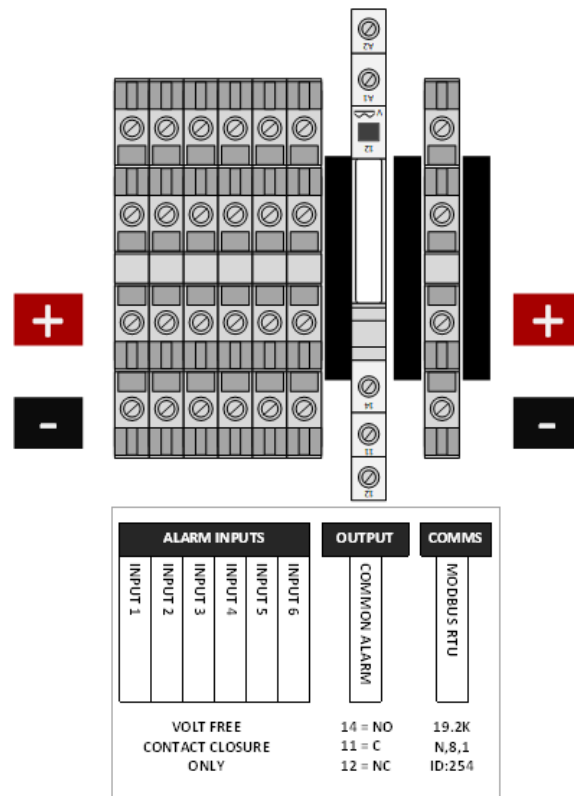
1.1.1 120VAC to 24VDC

The 120VAC power supply is the Meanwell HDR-60-24. Refer to <https://www.meanwell.com/productPdf.aspx?i=753> for specifications.

1.1.2 120VAC to 24VAC

The 24VAC power supply is the Functional Devices TR50VA005US. Refer to <https://www.functionaldevices.com/wp-content/uploads/2021/08/TR50VA005US.pdf> for specifications.

2. Low Voltage Connections



2.1 Unit Alarm Input

Voltage free dry-contact alarm from unit. The inputs support normally open and normally closed.

2.2 Common Alarm Output Relay

Output relay supports normally open and normally closed. Contacts rated 250VAC/6A, 30VDC/6A.

2.3 Modbus/RTU Standard

Recommend Beldin 82761 22AWG. Defaults: Modbus address 254, 8, N, 1, 19200.

2.4 Modbus/TCP Option

Recommend CAT5E or higher. Default: 192.168.0.7, 255.255.255.0.

3. LED Test Mode

Hold the Acknowledge button for approximately 5 seconds. The LEDs will light, and the alarm buzzer will sound.

4. Panel Configuration

To configure the panel, download the configuration tool from <https://pythiatech.com/downloads>. Refer to the tool documentation for usage. The panel is configured using the configuration tool via RS-485 or a network connection if optional Modbus/TCP converter installed. After downloading, open Windows Command Prompt and navigate to the directory/ folder where the file is located. Type “PTT_CM06P_TOOLS” for a list of available commands.

The panel can be configured using any common Modbus tool such as the Pythia Tech Modbus Tool located at <https://pythiatech.com/software> or WinTech’s Modscan tool <https://www.win-tech.com/html/demos.htm>.

5. Modbus Registers

DESCRIPTION	REGISTER	READ / WRITE	DEFAULT
INPUT 1 STATE	41001	R	0 = OFF, 1 = ON
INPUT 2 STATE	41002	R	0 = OFF, 1 = ON
INPUT 3 STATE	41003	R	0 = OFF, 1 = ON
INPUT 4 STATE	41004	R	0 = OFF, 1 = ON
INPUT 5 STATE	41005	R	0 = OFF, 1 = ON
INPUT 6 STATE	41006	R	0 = OFF, 1 = ON
OUTPUT 1 LED/RELAY	42001	R	0 = OFF, 1 = ON
OUTPUT 2 LED/RELAY	42002	R	0 = OFF, 1 = ON
OUTPUT 3 LED/RELAY	42003	R	0 = OFF, 1 = ON
OUTPUT 4 LED/RELAY	42004	R	0 = OFF, 1 = ON
OUTPUT 5 LED/RELAY	42005	R	0 = OFF, 1 = ON
OUTPUT 6 LED/RELAY	42006	R	0 = OFF, 1 = ON
UNUSED	42007	R	55537
UNUSED	42008	R	55537
ALARM BUZZER	42009	R	0 = OFF, > 1 = ON
UNUSED	42010	R	55537
UNUSED	42011	R	55537
COMMON ALARM RELAY	42012	R	0 = OFF, > 1 = ON
PRODUCT	43001	R	1
VERSION	43002	R	RELEASED VERSION
BUZZER CONFIGURATION	44000	R/W	0=ENABLE 1=DISABLE
ALARM DELAY	44001	R/W	0-60 SECONDS
UNUSED	44002-10	R	55537
INPUT 1 TYPE	44011	R/W	0=NORMAL OPEN 1=NORMAL CLOSED
INPUT 2 TYPE	44012	R/W	0=NORMAL OPEN 1=NORMAL CLOSED
INPUT 3 TYPE	44013	R/W	0=NORMAL OPEN 1=NORMAL CLOSED
INPUT 4 TYPE	44014	R/W	0=NORMAL OPEN 1=NORMAL CLOSED
INPUT 5 TYPE	44015	R/W	0=NORMAL OPEN 1=NORMAL CLOSED
INPUT 6 TYPE	44016	R/W	0=NORMAL OPEN 1=NORMAL CLOSED