



# USER GUIDE

## Status Panel CS0-RSP-06(P)

Version 2.0 – 03/2023

Table of Contents

1. INTRODUCTION.....

2. GETTING STARTED.....

2.1 COMPONENTS.....

2.2 MOUNTING THE ENCLOSURE .....

2.3 POWER CONNECTION.....

2.4 LOW VOLTAGE CONNECTIONS .....

2.5 LED TEST FUNCTION .....

3. MODBUS CONFIGURATION.....

3.1 MODBUS REGISTERS.....

3

4

4

4

5

5

6

7

7

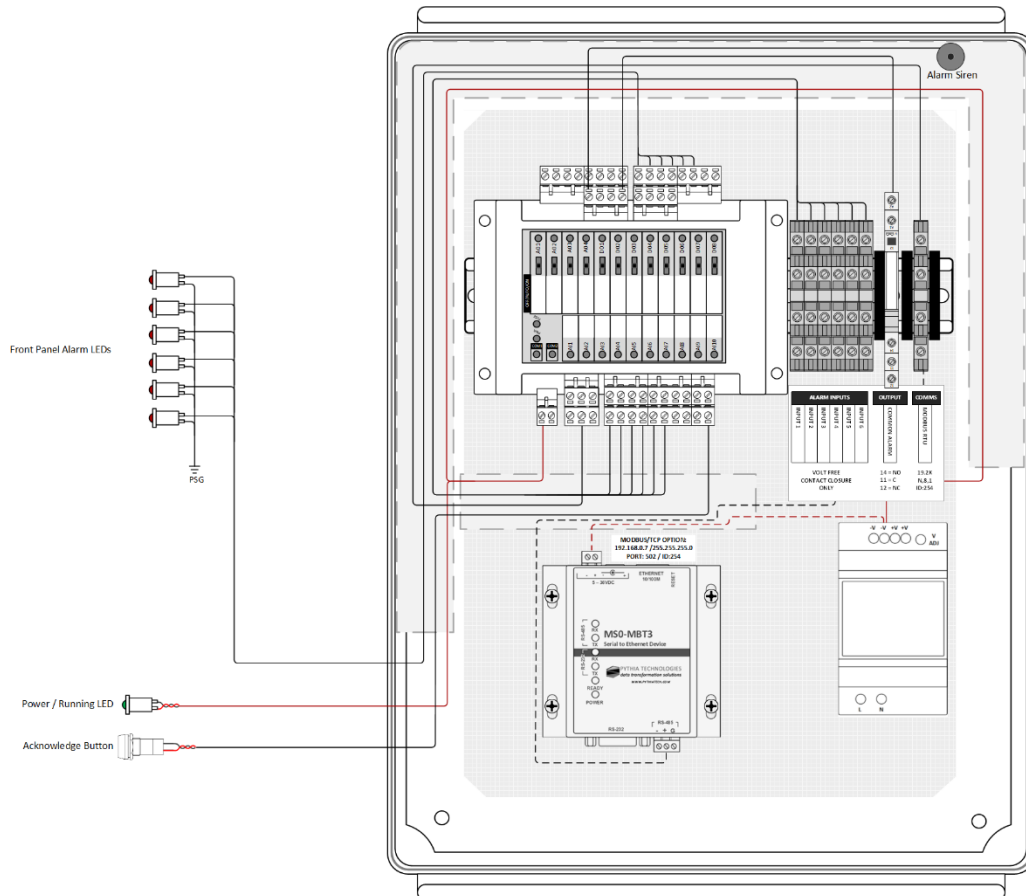
**1. INTRODUCTION**

The CSO-RSP-06(P) Status Panel is used to remotely monitor up to (6) dry contacts. The panel is wall mounted and can be located up to 1,000 feet from the monitored contact. The panel uses LED's to visually display the monitored input status. The panel provides a common alarm output for notification to other systems, an audible alarm and alarm silence / acknowledge button.

- Remotely monitor (6) dry contacts up to 1000 ft.
- Configurable inputs for Normally Open and Closed
- Common Alarm output
- Visual and audible indication of alarm
- LED test function
- Brother ½" label compatible
- Modbus/RTU standard
- Modbus/TCP (Optional)
- NEMA 1 rated enclosure
- High-grade ABS material, lightweight, sturdy and securable
- Suitable for indoor industrial applications

## 2. GETTING STARTED

### 2.1 COMPONENTS



\*Shown with Modbus/TCP option installed.

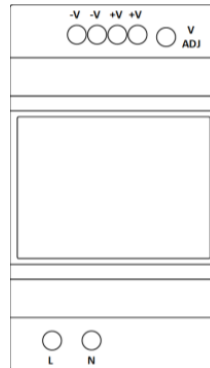
### 2.2 MOUNTING THE ENCLOSURE

The CS0-RSP-06 enclosure has a metal tabs top and bottom for surface mounting. The panel weighs approximately 10lbs.



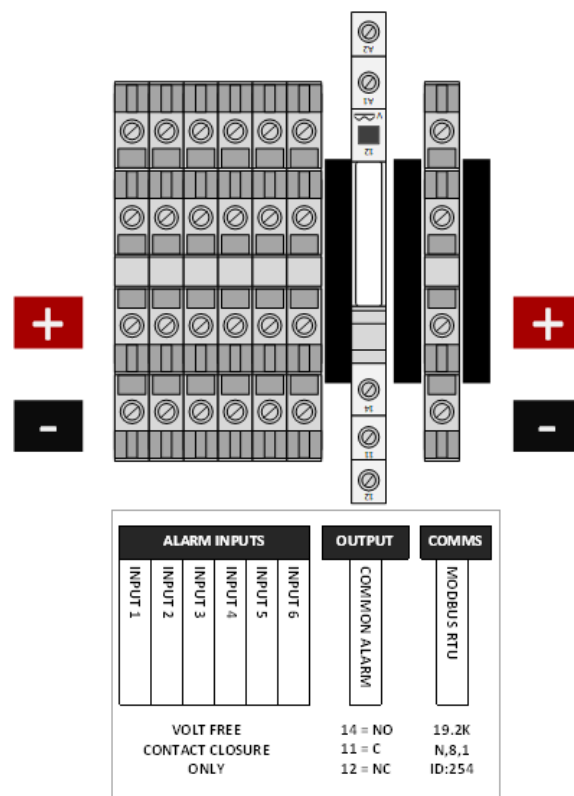
### 2.3 POWER CONNECTION

The CS0-RSP-06 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.



### 2.4 LOW VOLTAGE CONNECTIONS

UPPER RIGHT OF ASSEMBLY



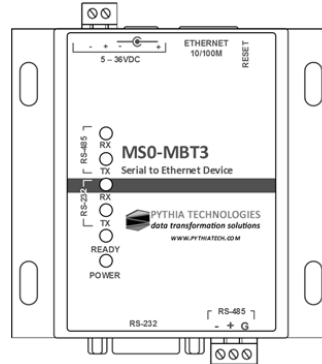
**DRY-CONTACT INPUTS:** Monitored inputs connect to Input 1 through Input 6. Contacts must be volt-free. Contact inputs share a common ground on bottom screw terminal.

**COMMON ALARM RELAY OUTPUT:** Whenever an input changes to an alarm state, the Output Relay will activate. Relays are rated for 3A @ 120VAC.

**MODBUS RTU:** This terminal block is used for Modbus communications.

Default: Device Address: 254 @ 19,200, N, 8, 1

**MODBUS/TCP OPTION:** The MS0-MBT or MS0-MBT3 converts Modbus RTU to Modbus/TCP Default: IP 192.168.0.7 / 255.255.255.0



## **2.5 LED TEST FUNCTION**

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

### 3. MODBUS CONFIGURATION

The Modbus parameters are configured using the PTECH configuration tool via RS-485 or a Network connection if optional Modbus/TCP convert installed. The CS0-RSP-06(P) tool can be downloaded at <https://pythiatech.com/downloads>. 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 Input Types 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.wintech.com/html/demos.htm>.

#### 3.1 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