USER GUIDE

Status Panel
pn: CS0-RSP-06

Version 1.2 – 11/2021

Table of Contents

1. INTRODUCTION

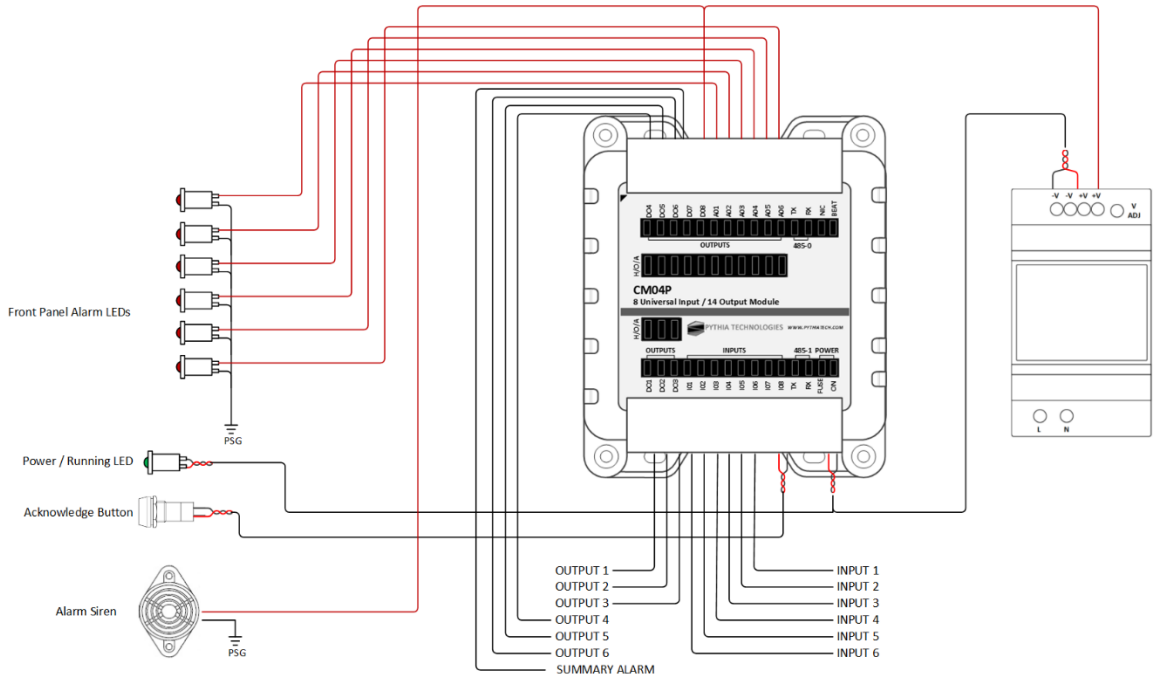
The Status Panel (CS0-RSP-06) is used to remotely monitor up to (6) dry-contacts from any device. The Status Panel also has (6) relay outputs that mimic the input state for notification to other systems or panels. The CS0-RSP-06 is wall mounted and can be located up to 1,000 feet from the monitored contact. The panel uses LED's to visually display the monitored point input status. The CS0-RSP-06 also has an audible alarm to warn of alarm conditions, along with an alarm silence / acknowledge button.

The CS0-RSP-06 also contains a Modbus and BACnet interface for configuration and integration to Building Management Systems (BMS). Supported protocols include:

- Modbus RTU
- Modbus TCP
- BACnet MSTP
- BACnet IP

2. GETTING STARTED

2.1 STATUS PANEL (CS0-RSP-06) COMPONENTS:

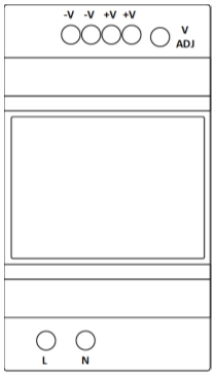


2.2 MOUNTING THE ENCLOSURE

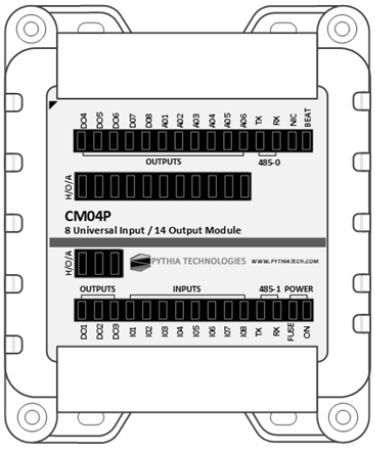
The CS0-RSP-06 enclosure has a metal flange top and bottom for surface mounting. The panel weighs approximately 12lbs.

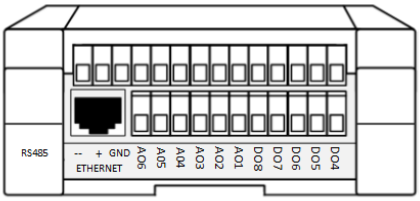
2.3 POWER CONNECTION

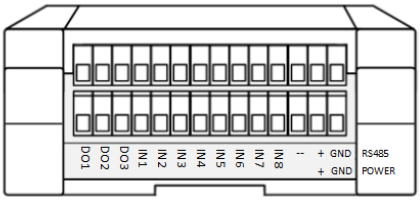
The CS0-RSP-06 contains a 120/240-volt power supply that is located inside the panel. Installers will find the power supply with labeling for Line, and Neutral. The power supply will draw a maximum of 1.8 Amps, so a standard 15 Amp outlet will suffice.



2.4 LOW VOLTAGE CONNECTIONS







BOTTOM CONNECTOR

DRY-CONTACT INPUTS: Monitored inputs connect to IN1 thru IN6 respectively. Contacts must be volt-free. Contact inputs share a common ground on bottom.

RELAY OUTPUTS: Monitored inputs connect to IN1 thru IN6 are mimicked on outputs D01 – D06. D01 – D03 are located on the bottom connector, D04-7 are on the top connector. Relays are rated for 3A @ 120VAC.

485-1: This terminal block is used for BACnet MSTP communications.
Default: Device MAC Address: 02 @ 19,200, N, 8, 1

TOP CONNECTOR

RELAY OUTPUTS: See above

ETHERNET: Communications port supporting Modbus TCP and BACnet IP

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

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

3. CONFIGURING THE REMOTE STATUS PANEL

The CS0-RSP-06 has the following defaults:

Input 1 – Input 6: Normally Open

IP address: 169.254.0.1 Netmask: 255.255.0.0 Gateway: 169.254.0.254

BACnet Device ID: 61701
Modbus Slave ID / BACnet MAC address: 02
485 Communications: 19,200, N, 8, 1

3.1 CONFIGURATION METHODS

The CS0-RSP-06 must be configured using the PTECH configuration tool via an RS-485 or TCP (network) connection. The tool is available @ https://pythiatech.com/downloads refer to the CS0-RSP-06 link. Once acquired, open a Command Prompt (Admin mode) session and navigate to the directory/ folder where the file is located. Type "PTT_CM04P_RSP06_TOOLS" for a list of available commands.

3.2 MODBUS READ / WRITE TABLE

DESCRIPTION	REGISTER	READ / WRITE	DEFAULT
INPUT 1 STATE	47486	R	0 = OFF, 1 = ON
INPUT 2 STATE	47488	R	0 = OFF, 1 = ON
INPUT 3 STATE	47490	R	0 = OFF, 1 = ON
INPUT 4 STATE	47492	R	0 = OFF, 1 = ON
INPUT 5 STATE	47494	R	0 = OFF, 1 = ON
INPUT 6 STATE	47496	R	0 = OFF, 1 = ON
ACK BUTTON STATE	47500	R	0 = OFF, 1 = ON
OUTPUT 1 STATE	47102	R	0 = OFF, 1 = ON
OUTPUT 2 STATE	47104	R	0 = OFF, 1 = ON
OUTPUT 3 STATE	47106	R	0 = OFF, 1 = ON
OUTPUT 4 STATE	47108	R	0 = OFF, 1 = ON
OUTPUT 5 STATE	47110	R	0 = OFF, 1 = ON
OUTPUT 6 STATE	47112	R	0 = OFF, 1 = ON
COMMON ALARM STATE	47114	R	0 = OFF, 1 = ON
ALARM BUZZER STATE	47116	R	0 = OFF, 1 = ON
OUTPUT LED 1	47118	R	0 = OFF, 10000 = ON
OUTPUT LED 2	47120	R	0 = OFF, 10000 = ON
OUTPUT LED 3	47122	R	0 = OFF, 10000 = ON
OUTPUT LED 4	47124	R	0 = OFF, 10000 = ON
OUTPUT LED 5	47126	R	0 = OFF, 10000 = ON
OUTPUT LED 6	47128	R	0 = OFF, 10000= ON
COMMON ALARM LED 7	47130	R	0 = OFF, 10000= ON
ACK BUTTON (ALARM SILENCE)	48096	W	0 = OFF, 10000 = ON