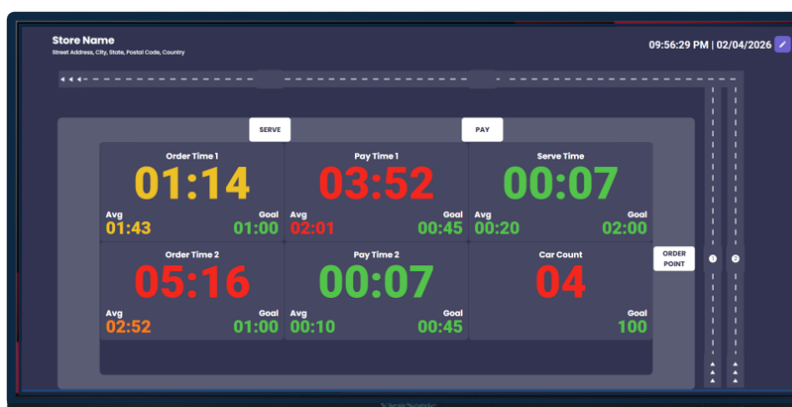


PAR TIMER M7800- INSTALLATION GUIDE:



- Tools and Material Required..... page 1
- Design the Installation.....page 2
- Install the Timer page 3-11
- Setup the PAR Timerpage 12
- Test the PAR Timer and the Finalize Install.....page 13
- Leaderboard Monitor (optional)page 14-16
- Common Troubleshootingpage 16
- PAR Timer Specificationspage 17
- Inside the PAR Timer Reference page 18

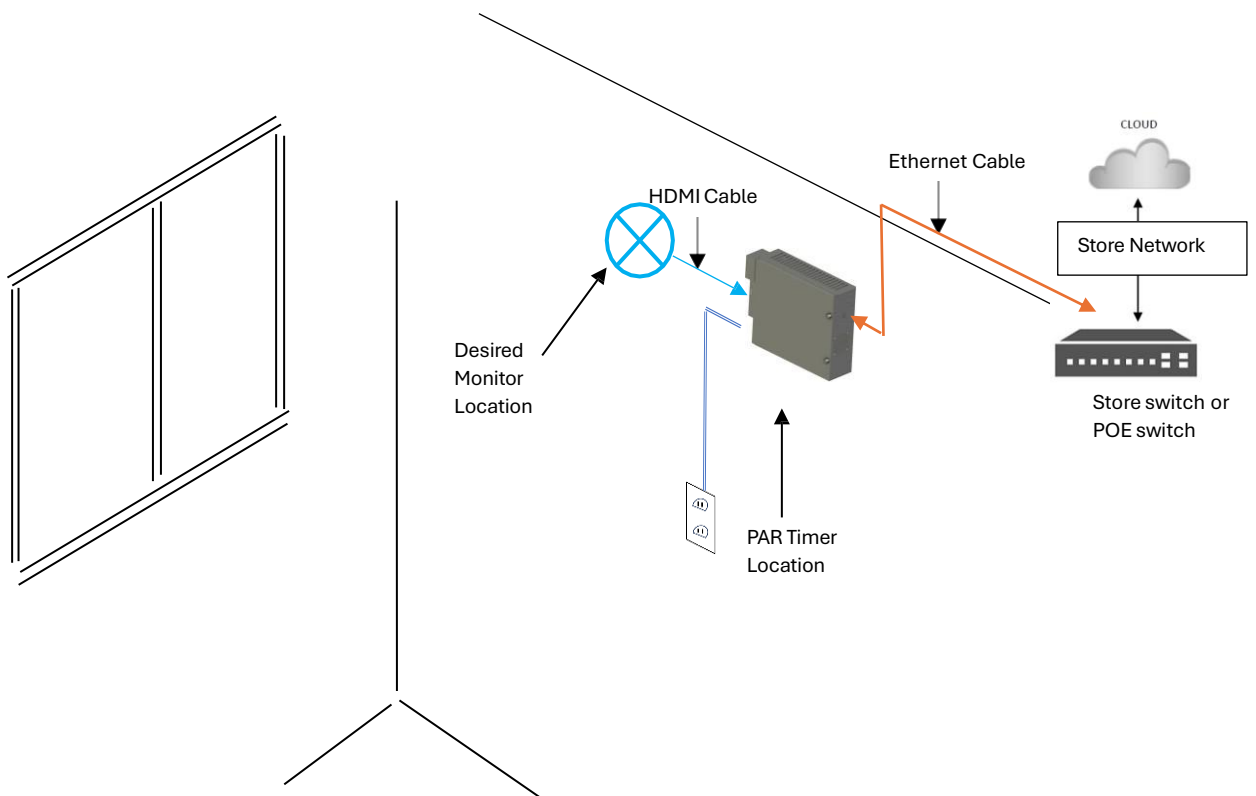
Tools and Materials Required:

- Assortment of sheet metal screws or wall anchors and screws as required by site
- Recommend basic tool kit: screwdrivers, hand drill, drill bits, measuring tape
- Conduit as needed
- Ethernet cable
- 18-24 awg cable as needed

Design the Installation:

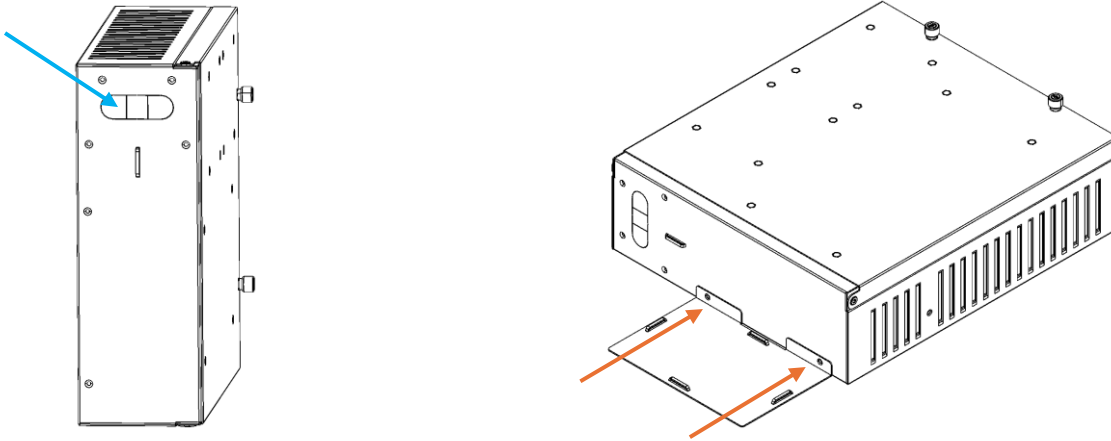
Survey the site as needed prior to finalizing the location.

1. Choose the desired location (wall mountable) for the PAR Timer, ensuring :
 - a. The unit is in reach by a HDMI cable to where the monitor will be mounted
 - b. The unit can be accessible by the store technical team and other installers
 - c. In reach of an electrical outlet or approved surge protector
 - d. Has access to an ethernet cable connection or run
 - e. Use conduit as needed, depending on the site

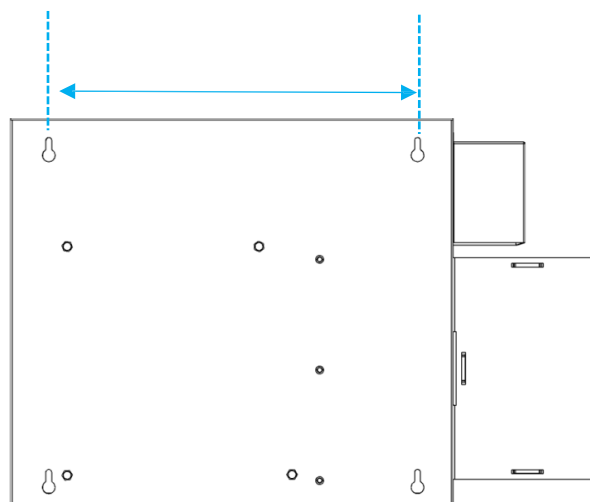


Install the PAR Timer:

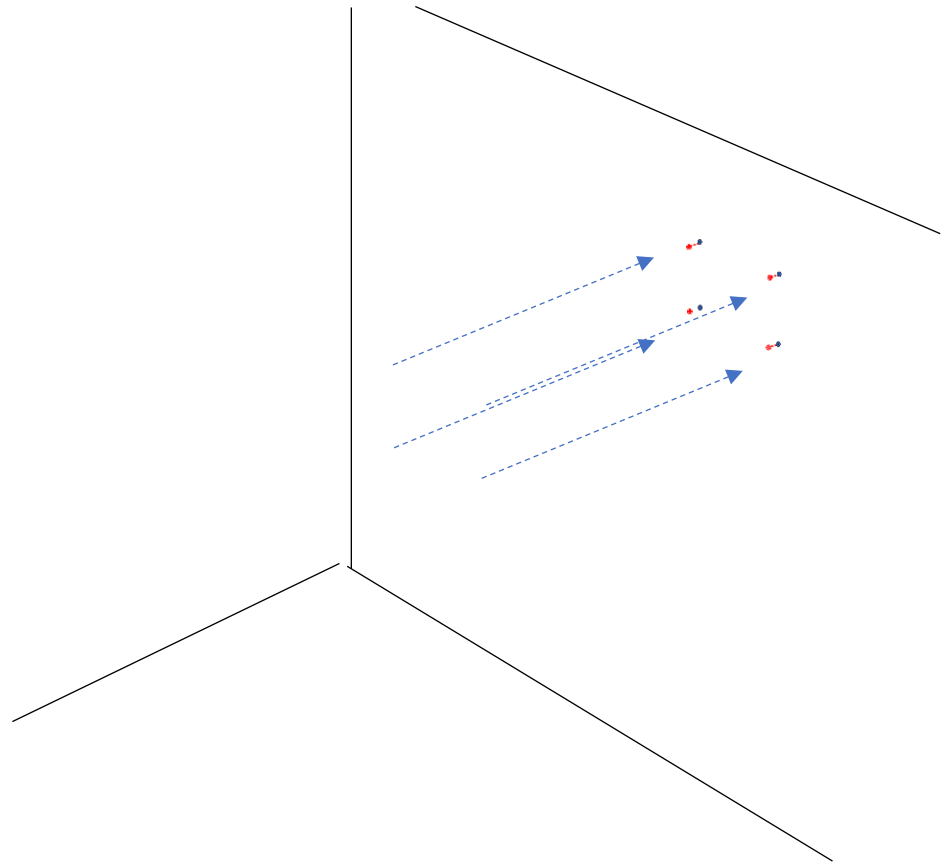
1. Knock out **the sides** of the case, either left or right, or both as needed. If desired, install the **plate** on the left or right side of where you will be placing the power adapter using the provided screws.



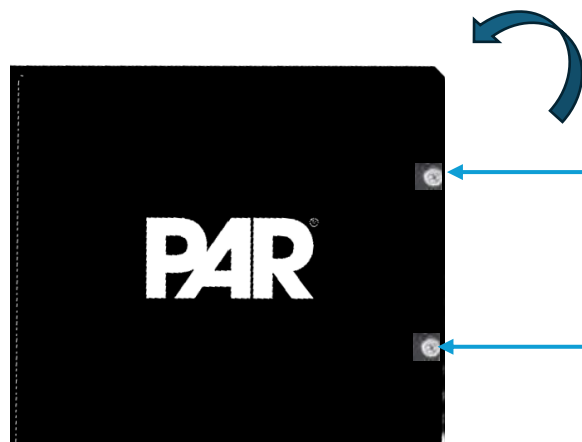
2. Take measurements of the mounting holes you will be using from the back of the case (or use the template provided, 10" apart as show below)

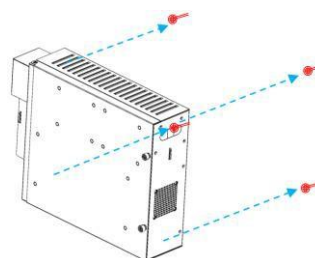
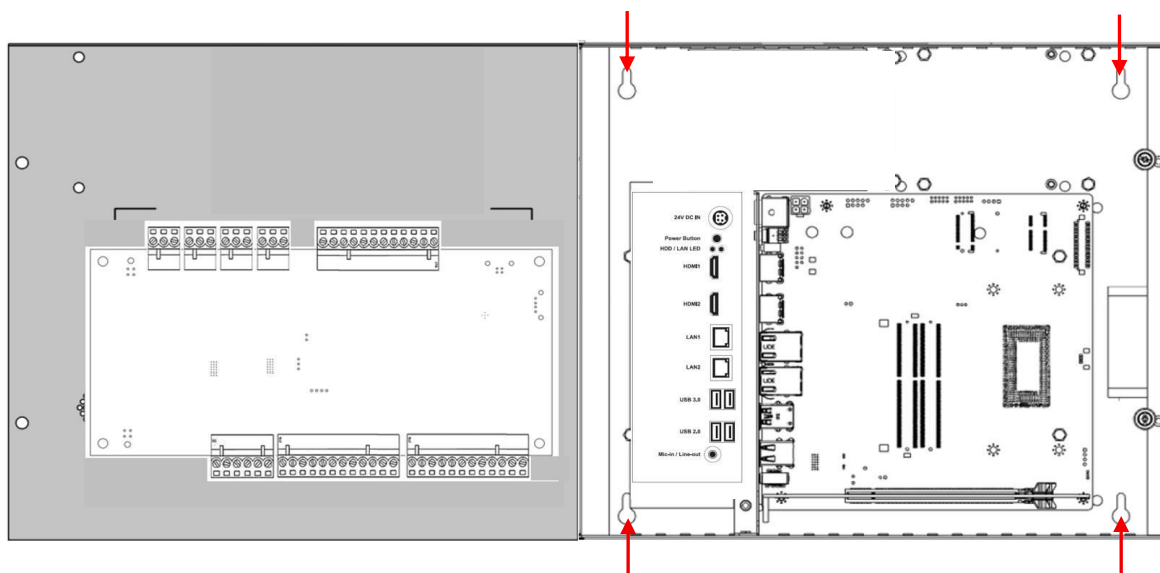


3. Using the measurements from the previous step, mark the wall/location where you will be mounting the unit.

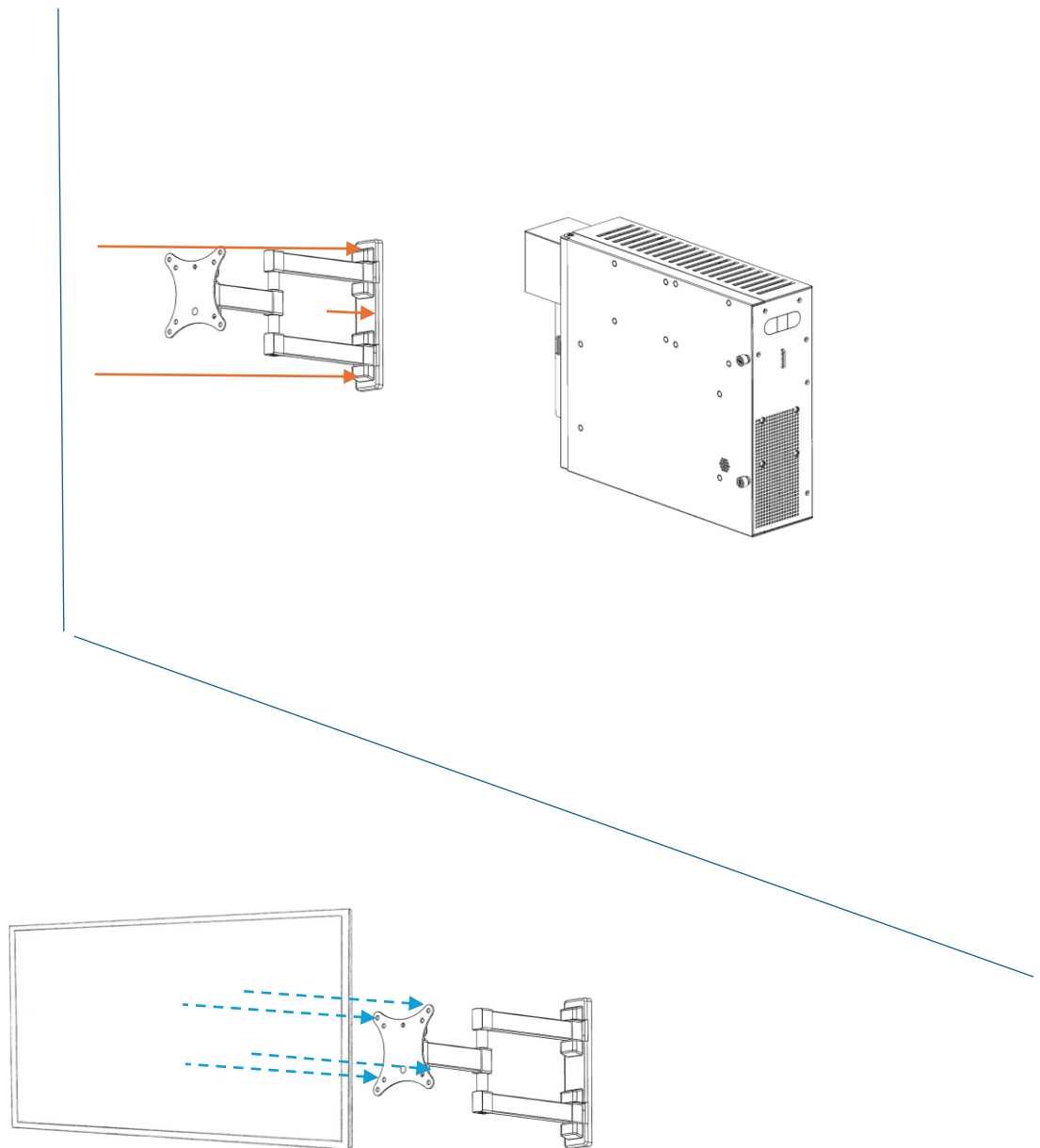


4. Pre-drill the holes as needed referencing your markings. Use screws and anchors as applicable to hang and mount the Timer. (**Recommendation of 10 lbs. total anchors if used**)
5. Then proceed to open the unit to hang and mount the Timer; and tighten down the screws

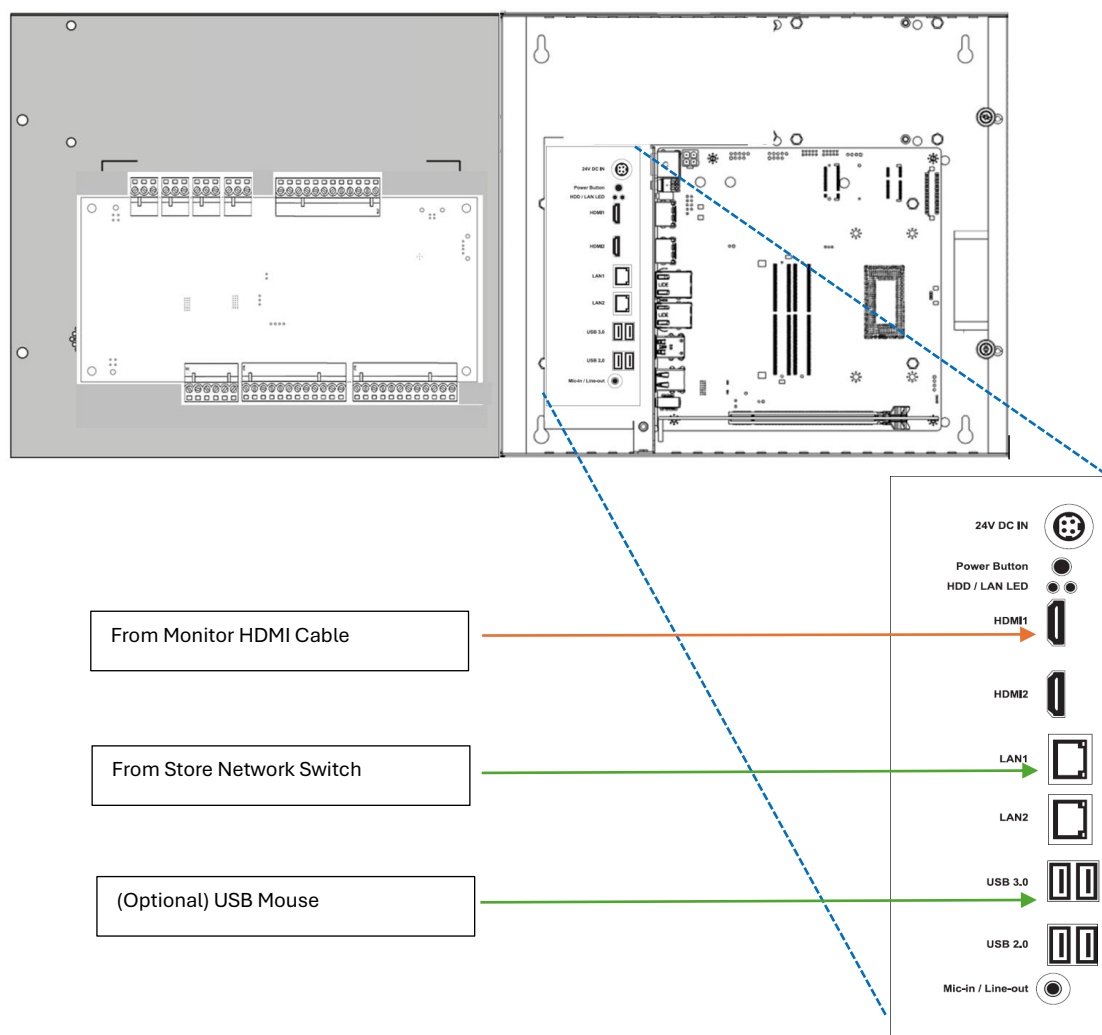


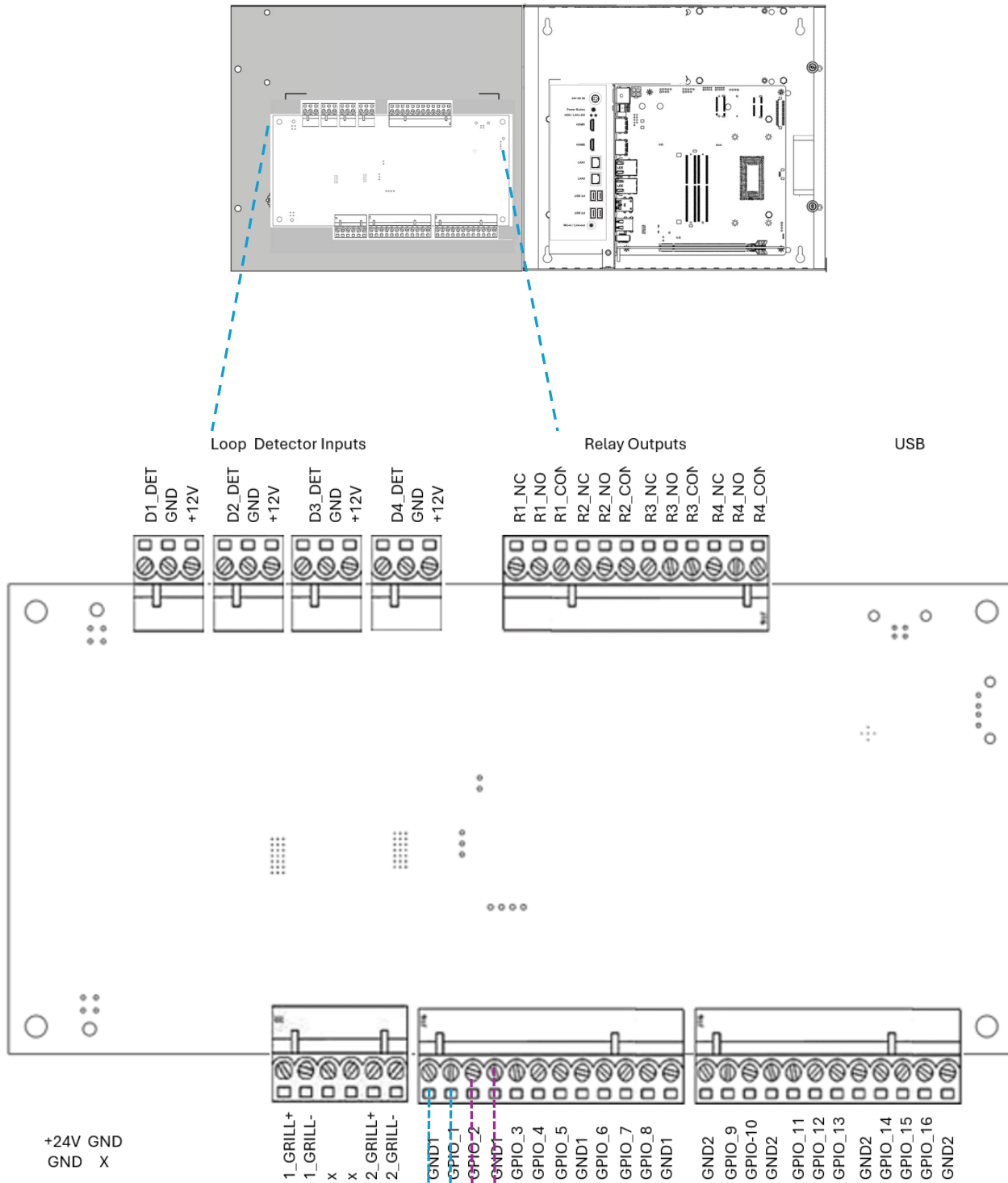


6. Then install the monitor mount using the correct screws that are appropriate for the wall type that you will be mounting it on. Next install the monitor onto the mount.



7. Proceed to plug in and wire up all the connections to the timer. Then power up the unit and monitor last. If desired, install the wire cap cover to the timer.
 - a) Plug in the ethernet from the store's network switch to the LAN 1 port of the timer.
 - b) Plug in the HDMI cable from the monitor into the HDMI 1 port of the timer.
 - c) (optional) plug in the usb mouse, this is used to log into the timer as needed
 - d) **(remove connectors from bags and plug them in)** Connect the outputs from the detector for Order Point(s), Pay Window, Serve Window and Greet as needed. Depending on the site layout, this can be wired and configured differently. Shown in this document are the default settings for a 1 order point, 1 window site configuration, followed by a dual lane, pay window, and serve window site configuration. For other configurations, once the layout is configured using the USER GUIDE, the connections for the layout can be viewed in EVENTS & QUEUES SETTINGS section of the timer.
 - e) Then plug in the power to the timer and power up the monitor.
 - f) Install wire cap cover to the timer as necessary.
 - g) Zip tie the power adapter down if using the back plate.

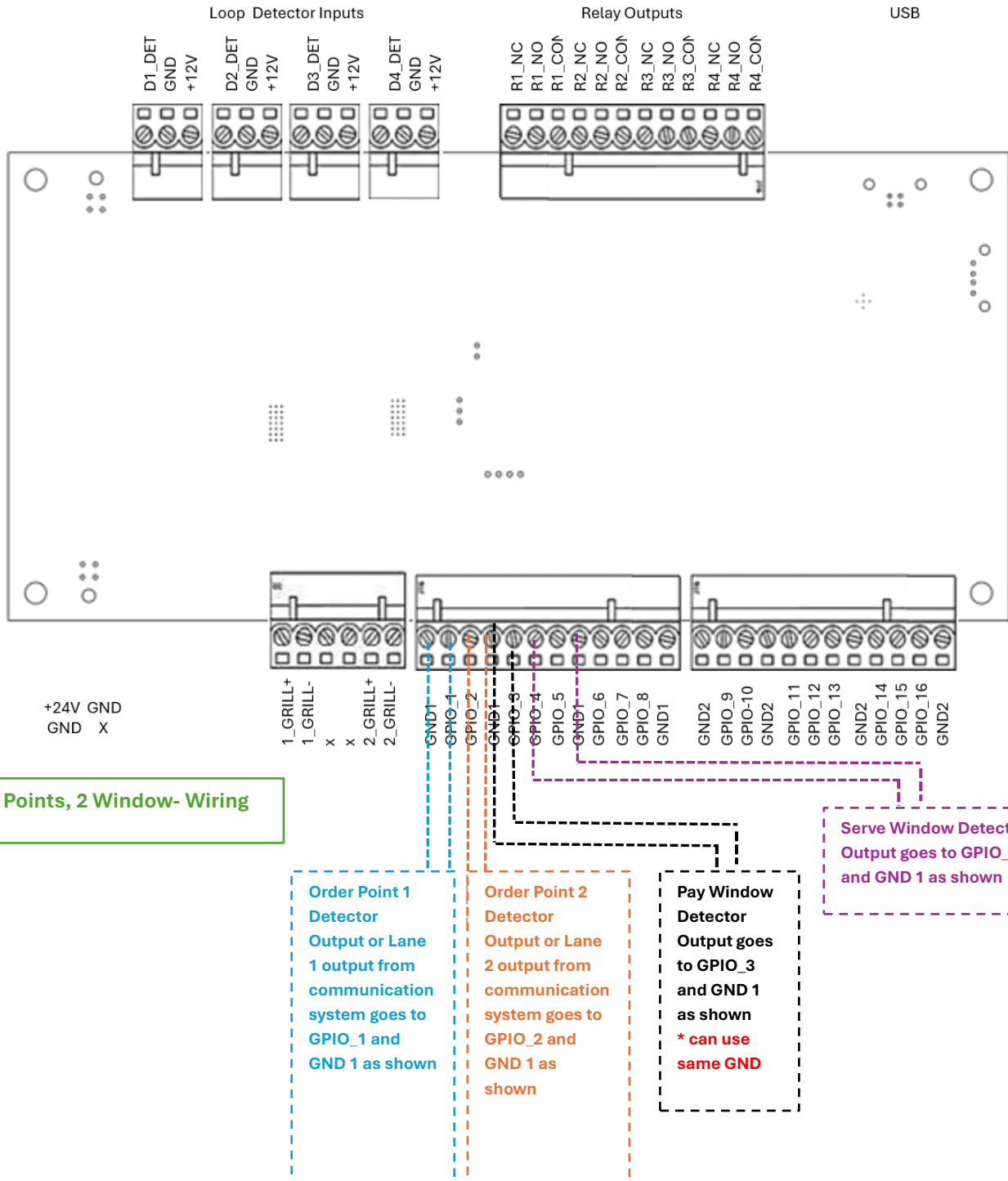


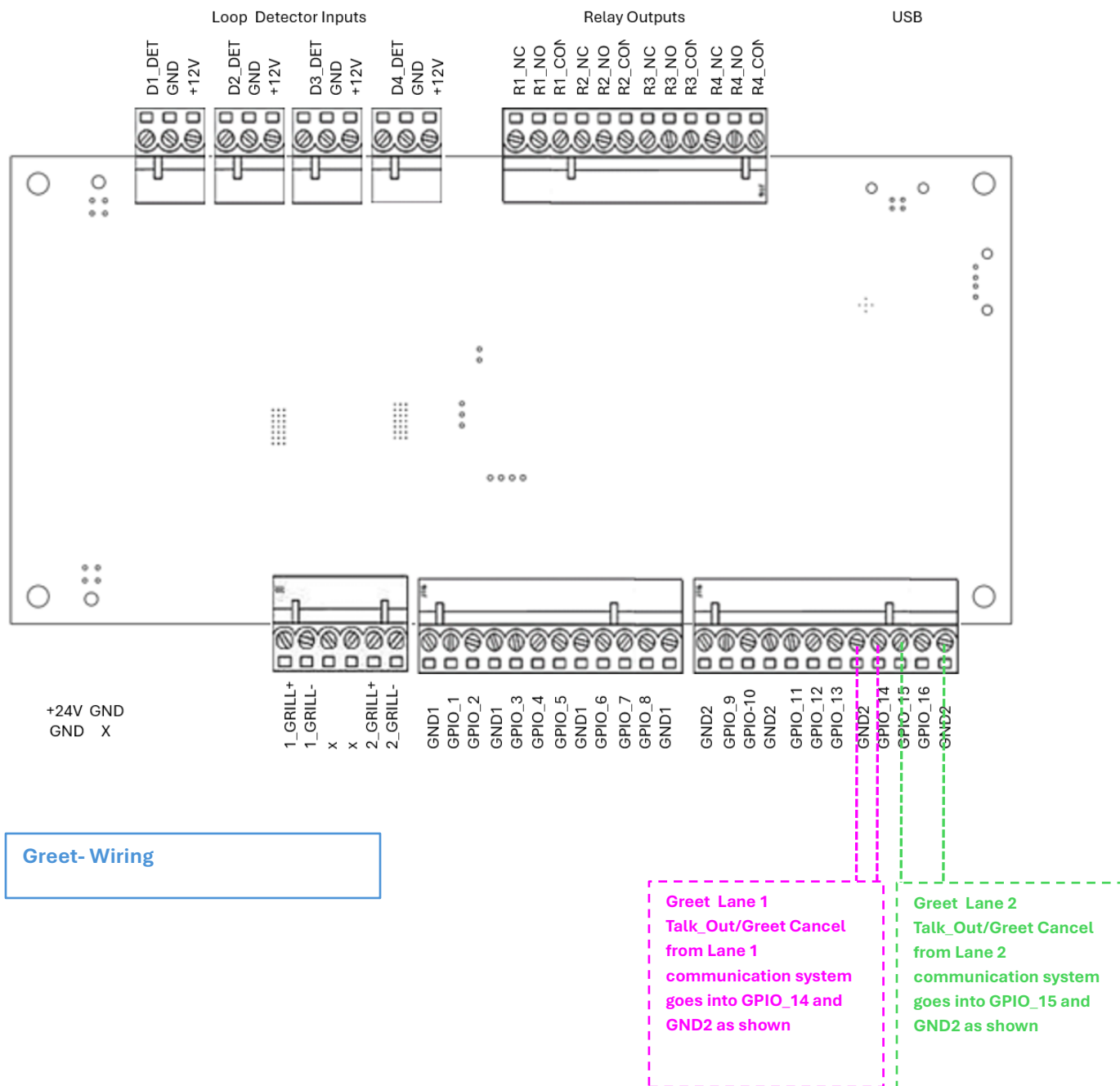


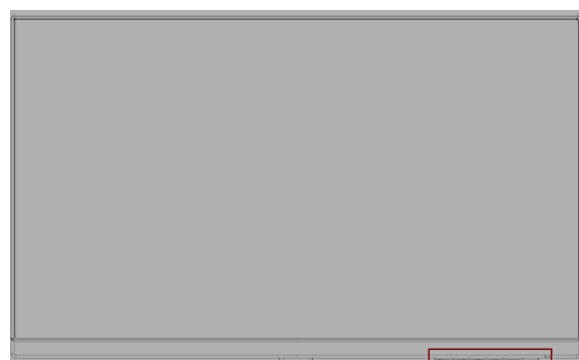
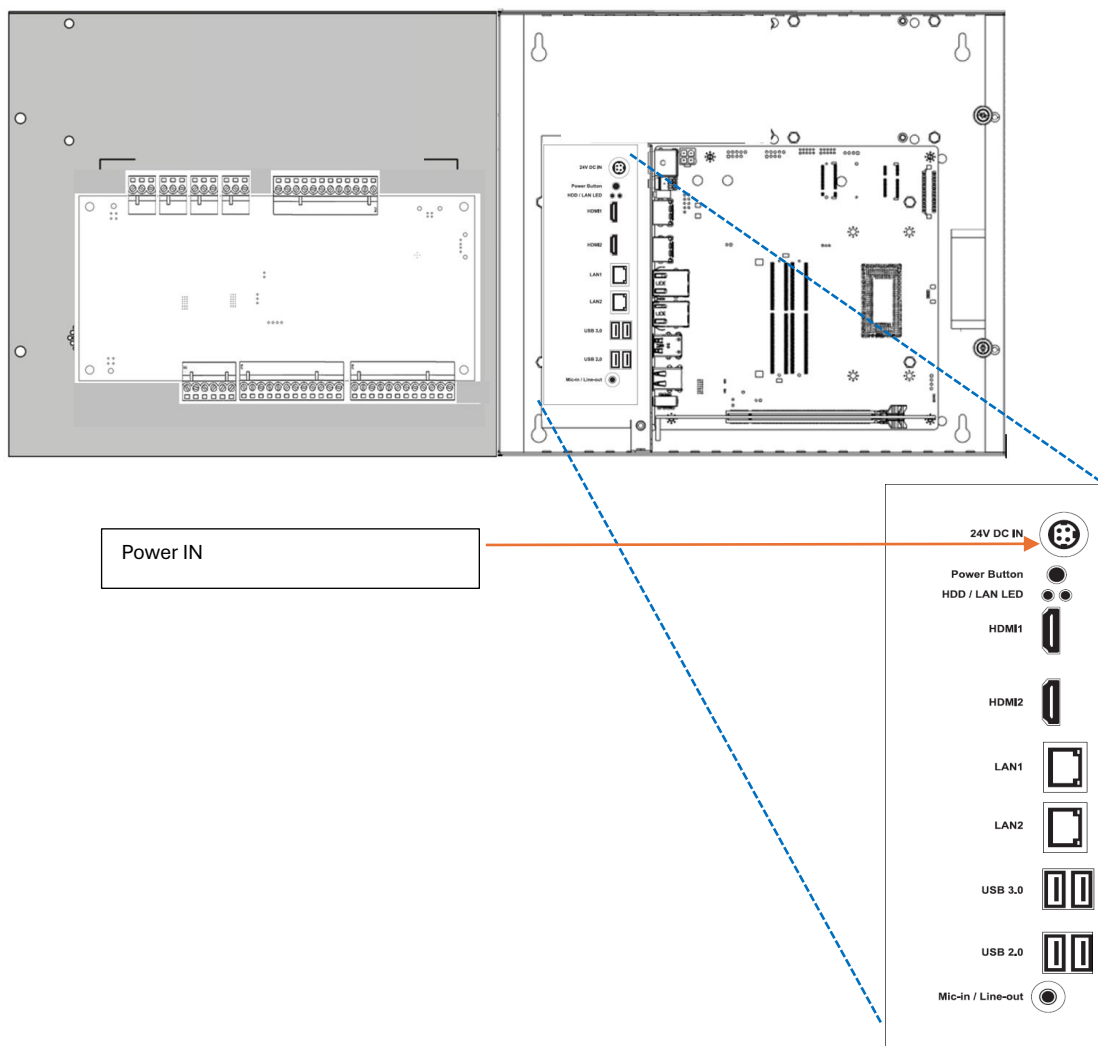
1 Order Point, 1 Window- Wiring

Order Point Detector Output or output from communication system goes to GPIO_1 and GND 1 as shown

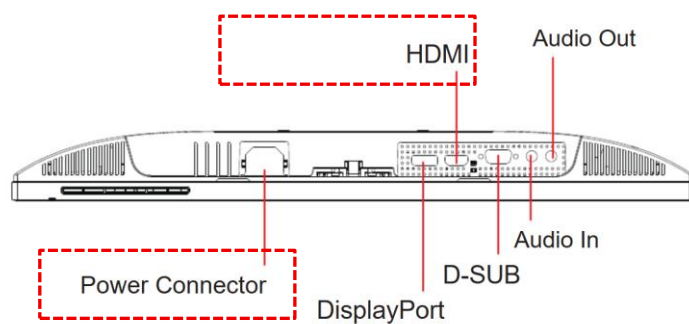
Serve Window Detector Output goes to GPIO_2 and GND 1 as shown

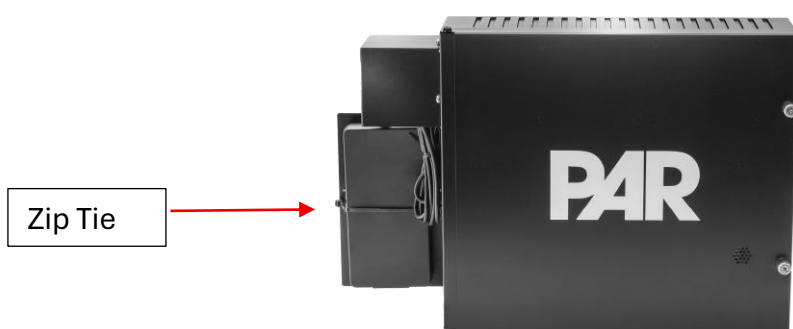
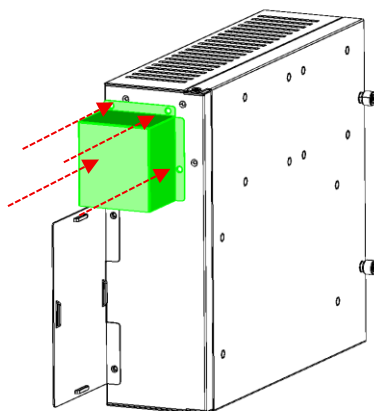






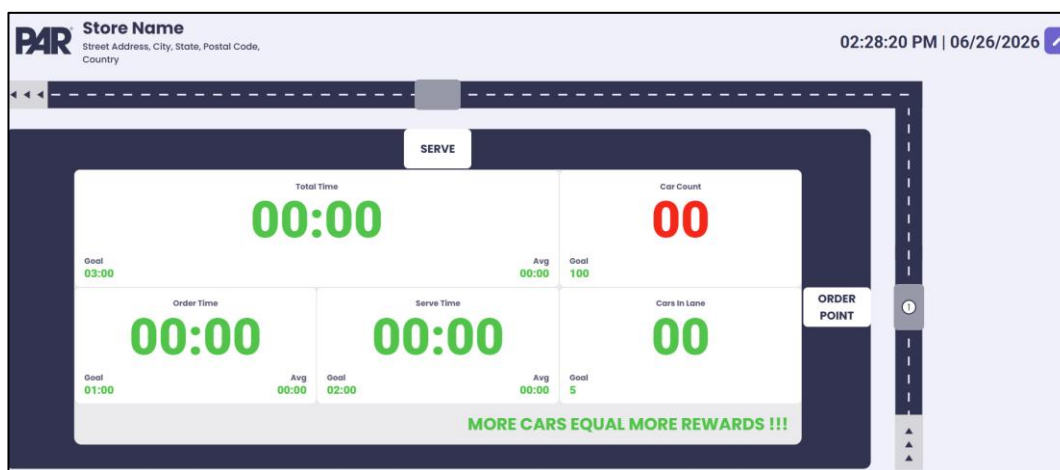
Monitor Power Button





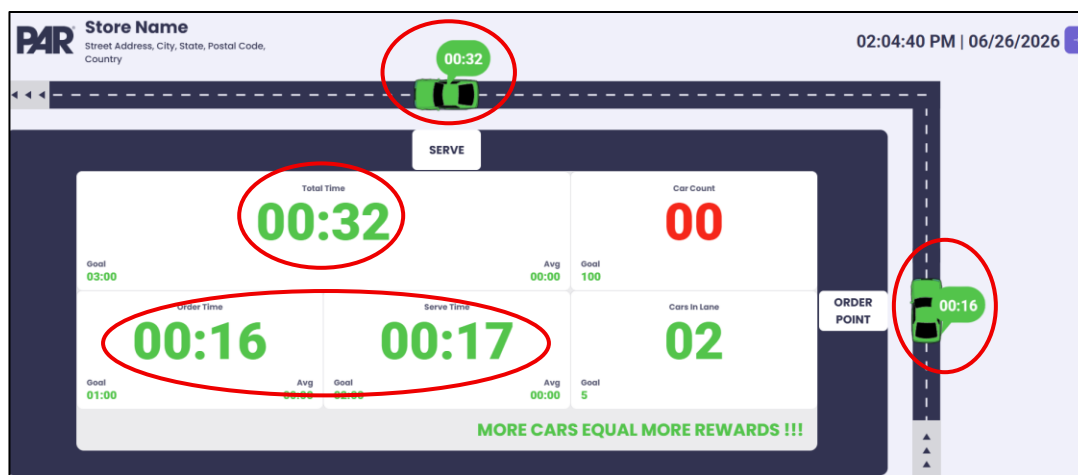
Setup the PAR Timer:

1. Once you powered on everything, wait for the timer to boot up to the dashboard. The timer should have arrived pre-programmed already. **(IF YOU NEED TO MAKE ANY CONFIGURATION CHANGES PLEASE REFER TO THE USER GUIDE AS THIS IS AN INSTALL GUIDE ONLY)**



Test the PAR Timer and Finalize Install:

1. Then proceed to drive cars through the lane and ensure that the timer starts timing correctly at each of the detection points for entry and exit events.

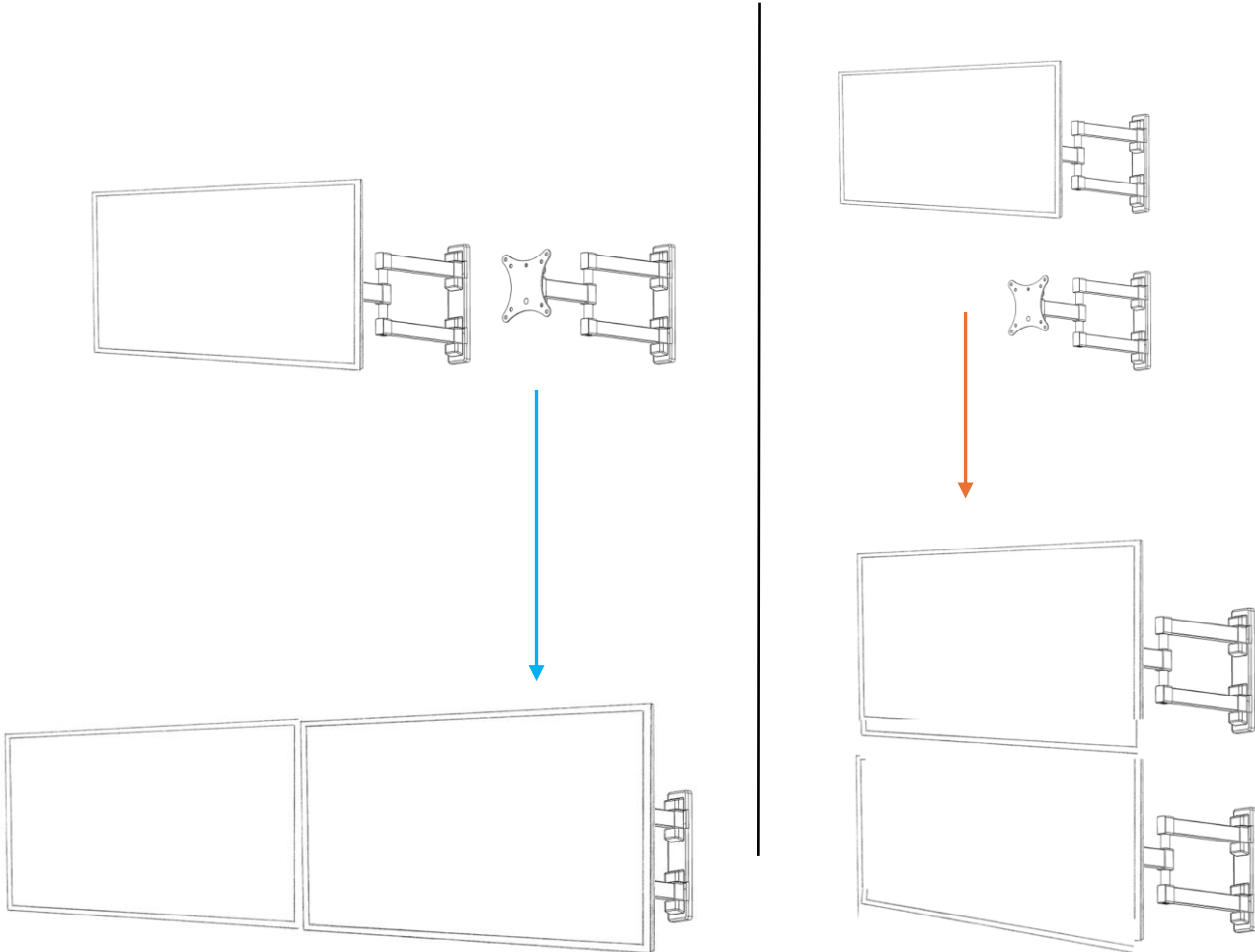


2. Next, contact PAR at 1-800-833-0345 to check to see if the timer is online on the PAR DT Cloud.
3. Ensure all connections are tight and no loose wiring before leaving the site.

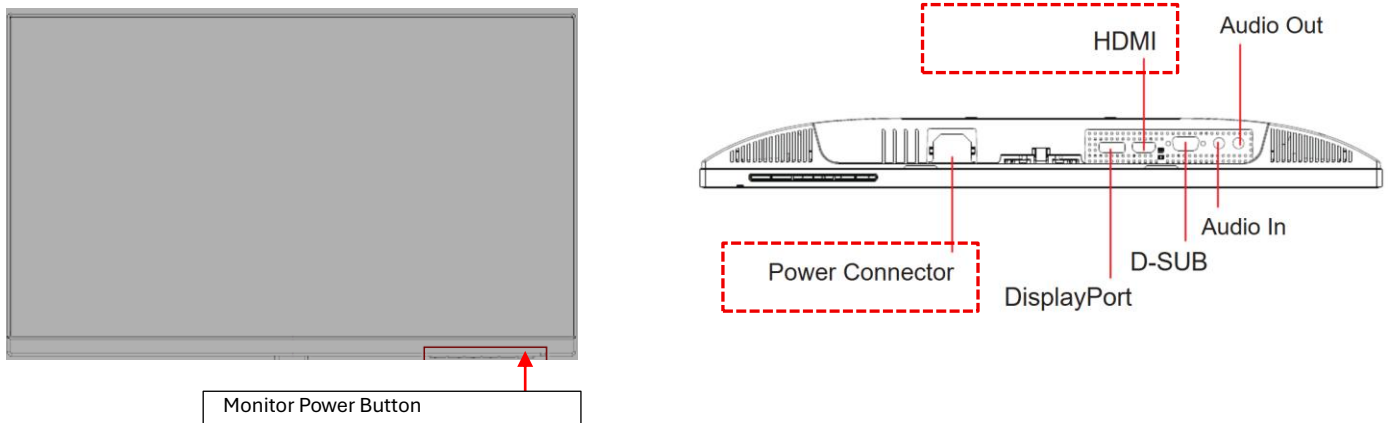
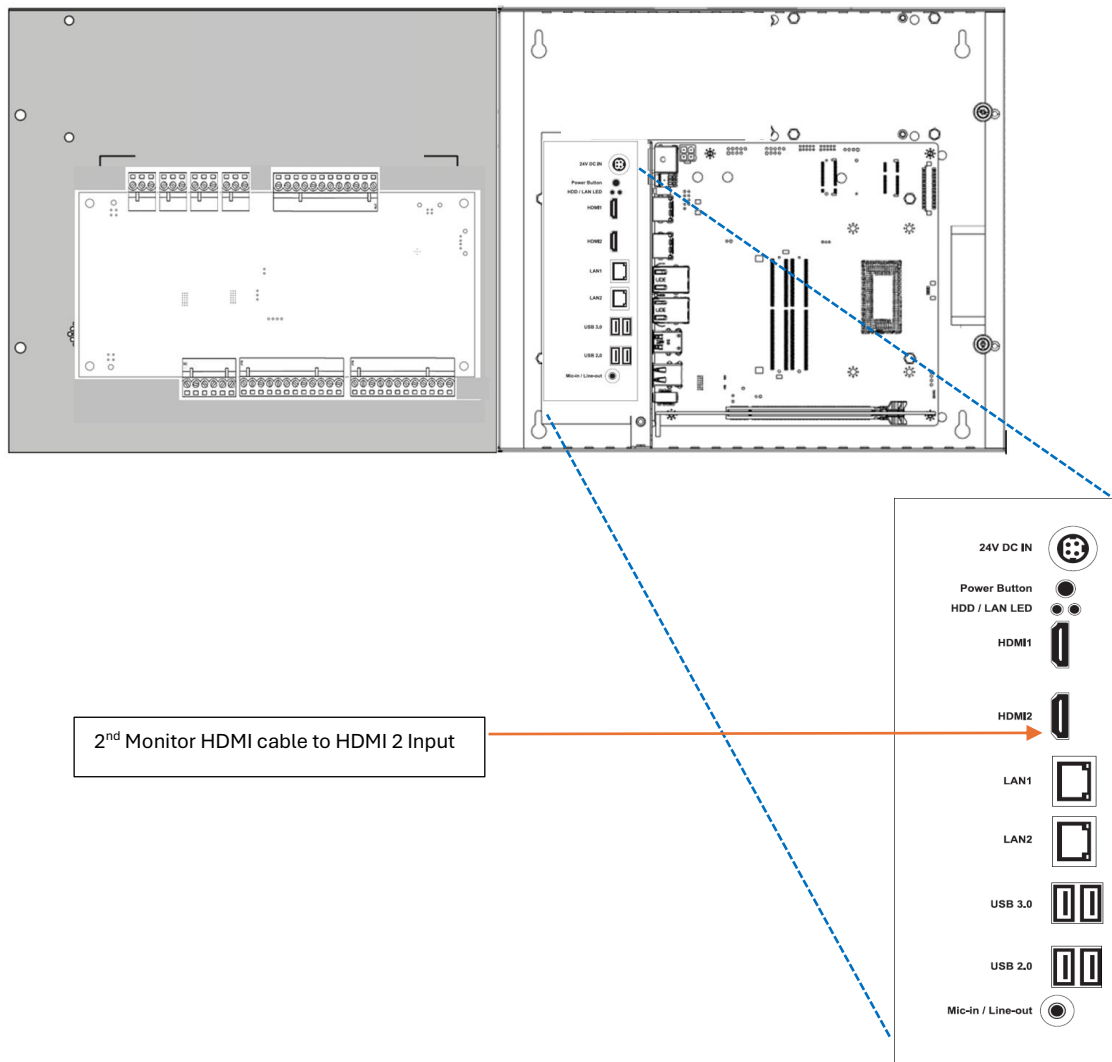
Optional Leaderboard Monitor

If the site is using a Leaderboard, the timer can have the option to display it as a rotating screen leaderboard, a combined leaderboard with dashboard, or by using a separate monitor. For configurations, please refer to the User Guide. If the site uses a separate monitor for leaderboard, please proceed with the guidelines below:

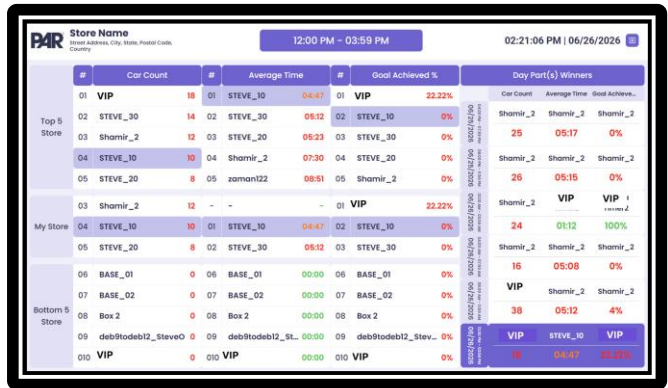
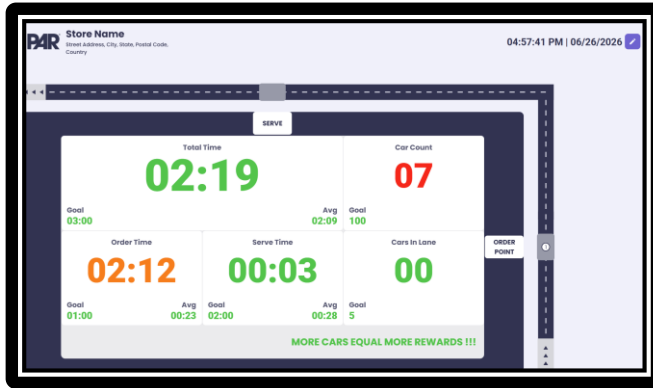
1. Install the monitor mount next Timer Dashboard monitor. Ensure to space them out enough to ensure monitors are viewable by the staff. Below are just some examples as each customer monitor location can be different, depending on user preference and available wall space and configuration.



- Then proceed to connect the HDMI cable from the 2nd monitor to HDMI 2 of the timer. Connect the power cord to the monitor and plug in an outlet. Next power up the 2nd monitor.



- Once the 2nd monitor is connected and powered up, if there is no display on the 2nd monitor, please reboot the timer. A reboot is only required to detect the monitor for the first time connection, and a reboot should not be required to detect the monitor thus after.



Common Troubleshooting

Symptom	Potential Resolution
No power/intermittent power	- Check power supply to see if it's disconnected. - Try a different known working outlet.
Screen froze	Reboot timer
Monitor screen is black.	- Reboot timer - Check power supply to monitor
Not getting daily reports	- Check network to timer, make sure it's connected - Make sure internet is not blocked - Make sure email addresses have not changed and is correct
Cars not showing up/or intermittent on a specific detection point	- Reset loop detector - Check wiring to detector and I/O board - Have a professional come out to check the loop
Can't access online reporting	Make sure credentials are correct and internet is stable
Local reports are not showing the correct data	- Make sure your date, time, schedules, and dayparts are correct selected when fetching the report - Make sure IP address entered in is correct on webpage and port # 5173 is used.
Ghost cars	- Reset loop detector - Check wiring to detector - Have a professional come out to check the loop - Reboot timer
Cars are displayed at the incorrect position on the monitor dashboard	Check the timer setting and ensure they are mapped correctly to correct I/O connections on the PTIO board
Leaderboard not working	Ensure you have an active subscription for Leaderboard as this is a requirement for enablement.

For support, please contact:

ParTech, Inc
PAR Drive-Thru Systems
8383 Seneca Turnpike
New Hartford, New York 13413
Phone: 1-800-328-0033
Email: drivethrusupport@partech.com
Web: <https://www.partech.com/drive-thru/>

PAR Timer Specifications

A. Physical

Parameter	Specification or Requirement
Dimensions (l x w x d)	10.4" L x 12" W x 3.5" D
Weight	3.3Kg, 7.26lbs

B. Electrical

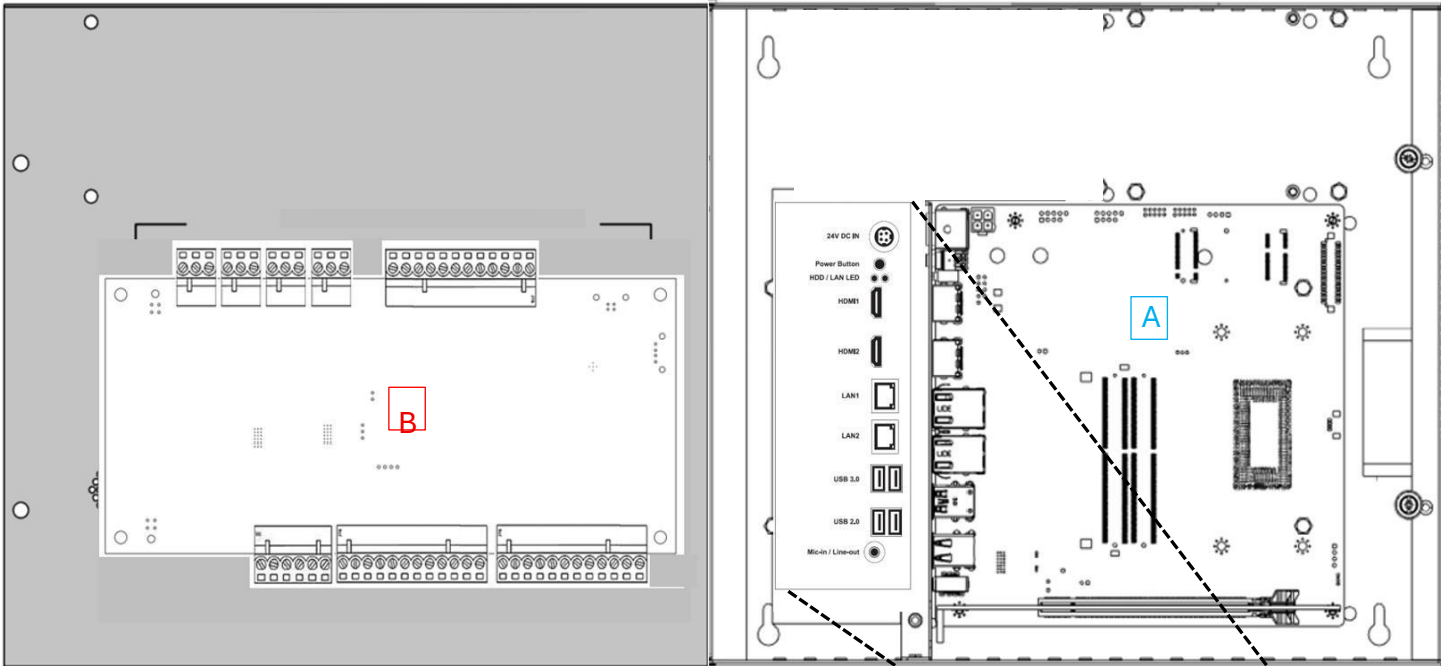
Parameter	Specification or Requirement
Input Power	100 VAC ~240 VAC
Frequency	50/60 Hz

C. Functional

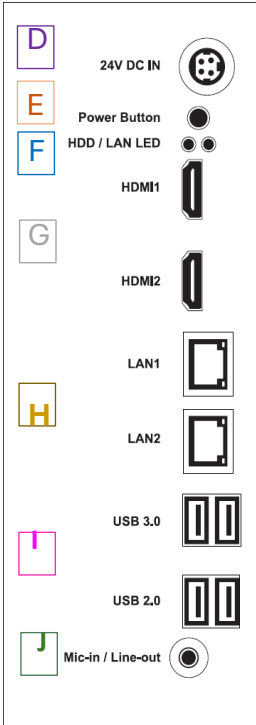
Parameter	Specification or Requirement
Indicator	Red, Green and Blue LED
Operating Humidity	5% to 85% non-condensing
Operating Temperature	0 C to 60 C

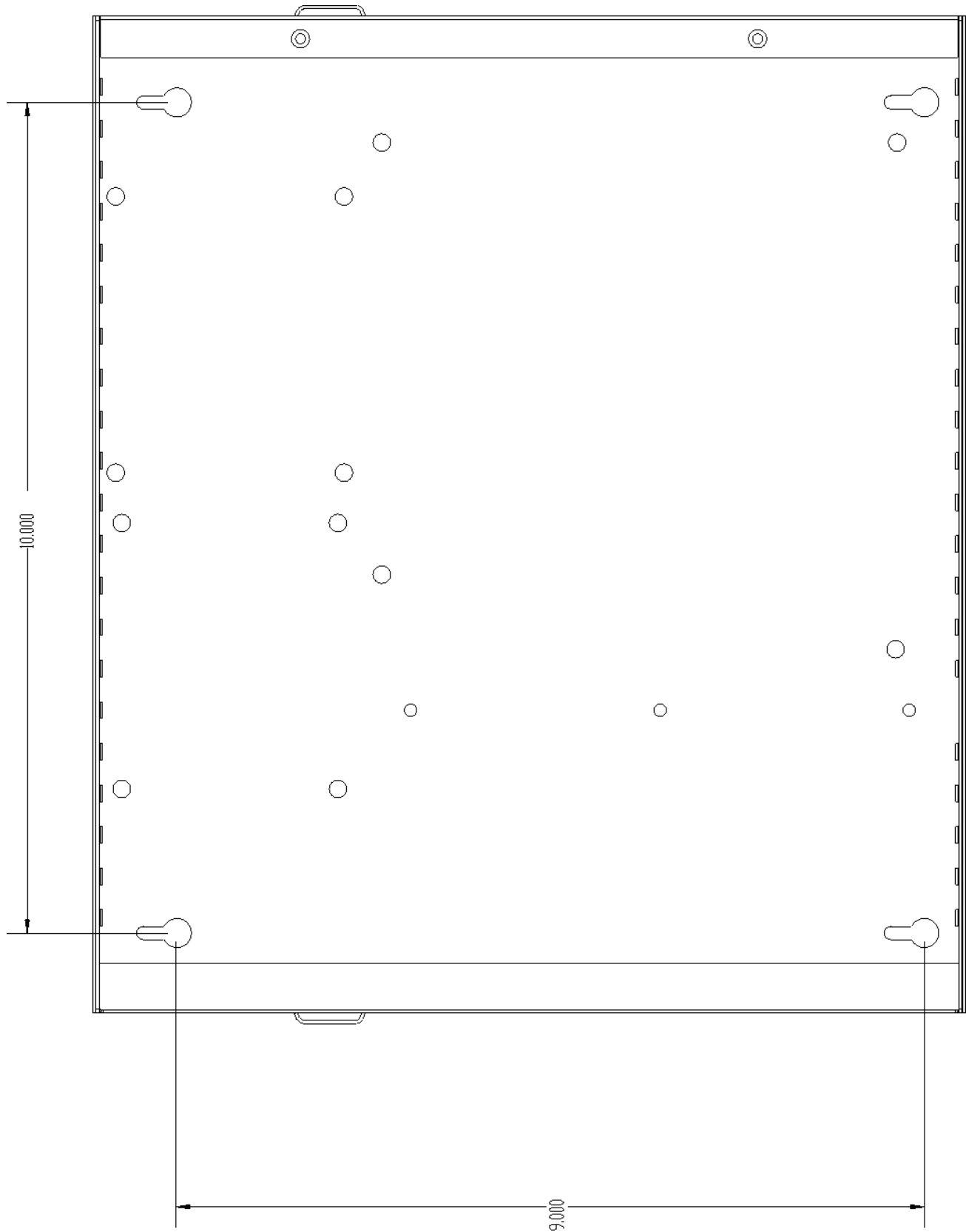
Inside the PAR Timer Reference

Reference Letter	Item Description
A	Timer Motherboard
B	PTIO Board



Reference Letter	Item Description
D	Power In- 24 VDC
E	Power Button
F	HDD-SSD/ LAN LED Indicators
G	HDMI Outputs
H	LAN Ethernet Connections
I	USB 3.0 and 2.0 Connections
J	Mic-In/ Line out jack





FCC Note:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Canada Note: CAN ICES-3 A/NMB-3 A

This device complies with part 15 of the FCC Rules and with Industry Canada license-exempt standard RSS-210 as of the date printed. Operation is subject to the following two conditions: (1) this device may cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec la norme RSS-210 d'Industrie Canada exempte de licence à compter de la date imprimée. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil peut causer des interférences, et (2) cet appareil doit accepter toute interférence, y compris celles pouvant provoquer un fonctionnement indésirable de l'appareil

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