





### What is Included

			
Phase Connect	Mounting Brackets	Cord Grips	External Antenna

### Mounting the Phase Connect

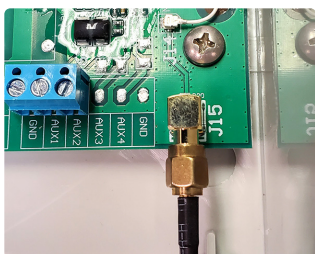
1. Fasten mounting brackets to back of enclosure with supplied screws.
2. Install fasteners to wall 6 5/8" (168mm) or 8 7/16" (214mm) center to center, depending on bracket configuration. Max fastener size 3/16".

### Connect Antenna

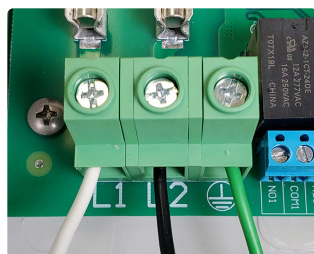
1. Unlatch and open cover of unit.
2. Route the antenna cable through the bottom of the chassis after installing cord grip.
3. Connect antenna lead by screwing onto the connector labeled J15, located on the bottom right-hand corner of the main circuit board.
4. *If the device is installed inside a metal building, the antenna cable may need to be routed through an exterior wall so the antenna can be mounted outside the building.*

### Connect Power

1. Route power cable through another cord grip in bottom of chassis.
2. Connect power leads to L1 and L2 on the power terminal block, located on the bottom left-hand corner of the main circuit board.  
*Note: Any common North American alternating current supply can be used, from 100-480 volts. VFD power source must be used for power failure notifications.*



Antenna connection terminal labeled J15



L1 and L2 power and ground terminal block

3. Secure the ground wire into the terminal marked with the ground symbol.  
*Note: 4ohms or less to earth ground recommended*



*Ensure the device is powered on prior to activation.*

### Activate Device

To create an account, or add a device to your existing account, go to

<https://connect.phasetechnologies.com>

After signing up for an account and accepting the terms, you will be prompted to activate your Phase Connect device. If you already have active devices, you will need to click on the "Activate New Device" button in the top right corner of the "View Devices" page. Enter the device Serial Number and Activation Code, which are found on a sticker inside the device.

The first connection process should take about 30 minutes but can take up to 24 hours depending on cellular reception.



**PHASE**CONNECT //

Model: PC4R  
Enclosure: 3R Outdoor  
Input: 100-480 VAC



**Serial Number**  
PC2212345



**Activation Code**  
12345

#### Device activation:

Scan QR code or go to the link below to create an account and activate your device.

[connect.phasetechnologies.com](https://connect.phasetechnologies.com)

Phase Connect label with Serial Number and Activation Code



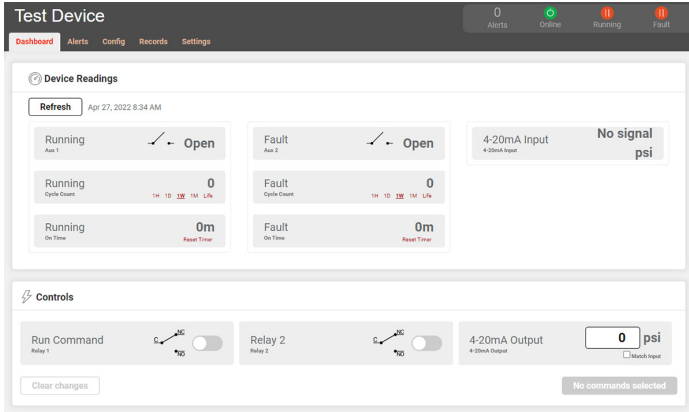
**Download**  
**Phase Connect**  
**Manual**

[phasetechnologies.com/support/pc](https://phasetechnologies.com/support/pc)



# Phase Connect - Quick Start Guide

## Configuration



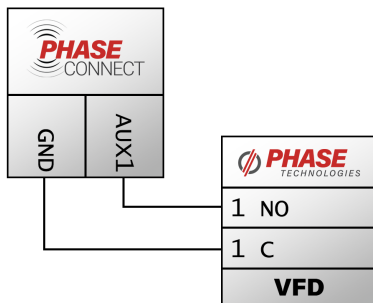
The device name, location, labels, 4-20 mA sensor range, and 4-20 mA sensor units may be configured from the Config tab of the Phase Connect web portal.

Once configured, the status of the Phase Connect and attached devices may be monitored or controlled from the Dashboard tab.

## Common Wiring Configurations

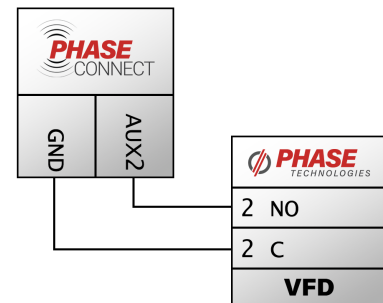
### Detect VFD Faults

Phase Technologies VFD Settings:  
PROGRAM RELAY 1 = SYSTEM FAULT



### Monitor VFD Run Status

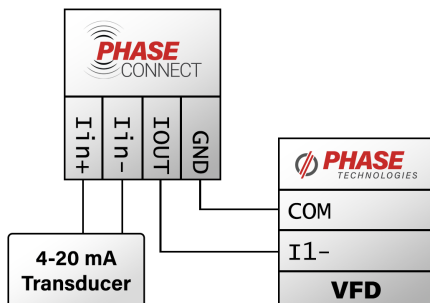
Phase Technologies VFD Settings:  
PROGRAM RELAY 2 = MIN FREQUENCY



### Repeat 4-20 mA Input Signal

The 4-20 mA signal can be monitored via the web portal and will also be sent (replicated) to the VFD for control.

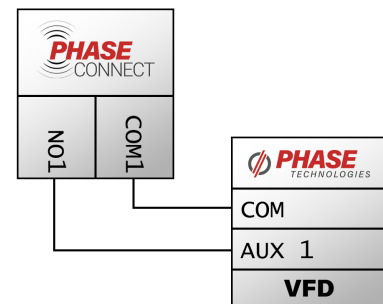
Phase Technologies VFD Settings:  
SYSTEM CONFIG = Speed Control Proportional to 4-20 mA Signal  
Phase Connect Settings:  
4-20 mA Output = "Match Input" Enabled



### Control VFD Run Status

Will allow the use of Relay 1 control within the web portal to give the VFD a RUN or STOP command.

Phase Technologies VFD Settings:  
SYSTEM CONFIG = RUN/STOP using AUX1 and AUX2  
AUX1 SELECT = Closed=RUN, Open=STOP



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[phasetechnologies.com/support/pc](https://phasetechnologies.com/support/pc)

