

# ASCO™ FlameManager

P122AFM with Multi-Motor Control, Touch Screen, VFD/VSD, O2 Trim

Series  
**122**

## General Description

ASCO P122AFM FlameManager is a state of art parallel positioning system with integrated flame safeguard for all types of liquid or gaseous fuel fired combustion systems.

A minimal system includes the P122AFMAN, P122AFSAF Flame scanner, P122AFMAD screen interface, appropriate pressure and/or temperature transducers, and a minimum of one motor. Optionally an O2 probe and (VFD/VSD) card can be added.





## Features

- Capable of controlling up to 10 motors
- All-in-one control
- Two independent VFD control channels with encoder inputs
- Available UV, IR & Integrated flame scanners
- 15 line voltage user-defined digital inputs
- Four user selected line voltage burner profiles
- Five 4-20 mA analog transducer inputs
- POC/FVES proving support
- Cold start thermal shock protection limits mechanical stress
- Assured low fire cutoff
- Sequencing for up to 6 boilers
- SD (Secure Digital) interface for backup and restore
- 16GB SDCARD media included
- Airflow switch proving
- Modbus-RTU communications via RS485
- PID operation for precise process control
- Three programmable relay outputs
- Optional O2 trim
- Track Modulation
- Boiler efficiency calculation

## Specification

Supply Voltage	P122AFMAN0000EY	120 VAC 50/60 Hz, single phase
	P122AFMAN0000FH	230 VAC 50/60 Hz, single phase
Power Consumption		15 VA
Temperature Rating	Operating	0°C to 60°C
	Storage	-20°C to 70°C
	Humidity Rating	85% RH, non-condensing
Protection Category		IP10
Unit Dimensions		127 W x 203.2 H x 101.6 D (mm)
Shipping Weight		Approx. 1.45 kg

**Part Numbers and Approvals**

Agency Approvals		
<b>Part Number</b>		
P122AFMAN0000EY	•	•
P122AFMAN0000FH		•

• = Certification in Hand

**Approval/Certification**

Underwriter's Laboratories Inc.: File MCCZ.MP1537  
 Controls, Primary Safety  
 File MCCZ7.MP1537  
 Controls, Primary Safety Certified for Canada  
 (PIN) 0063CT1349  
 EN 298:2012, EN 1643:2014, prEN 12067-2:2016, EN 14459:2007

CE:

**Ordering Information**

Control	
P122AFMAN0000EY	FlameManager for linkageless burner control, 110VAC
P122AFMAN0000FH	FlameManager for linkageless burner control, 230VAC
P122AFSA2PC0000	Fan replacement kit for O2 probe & P122AFMAN

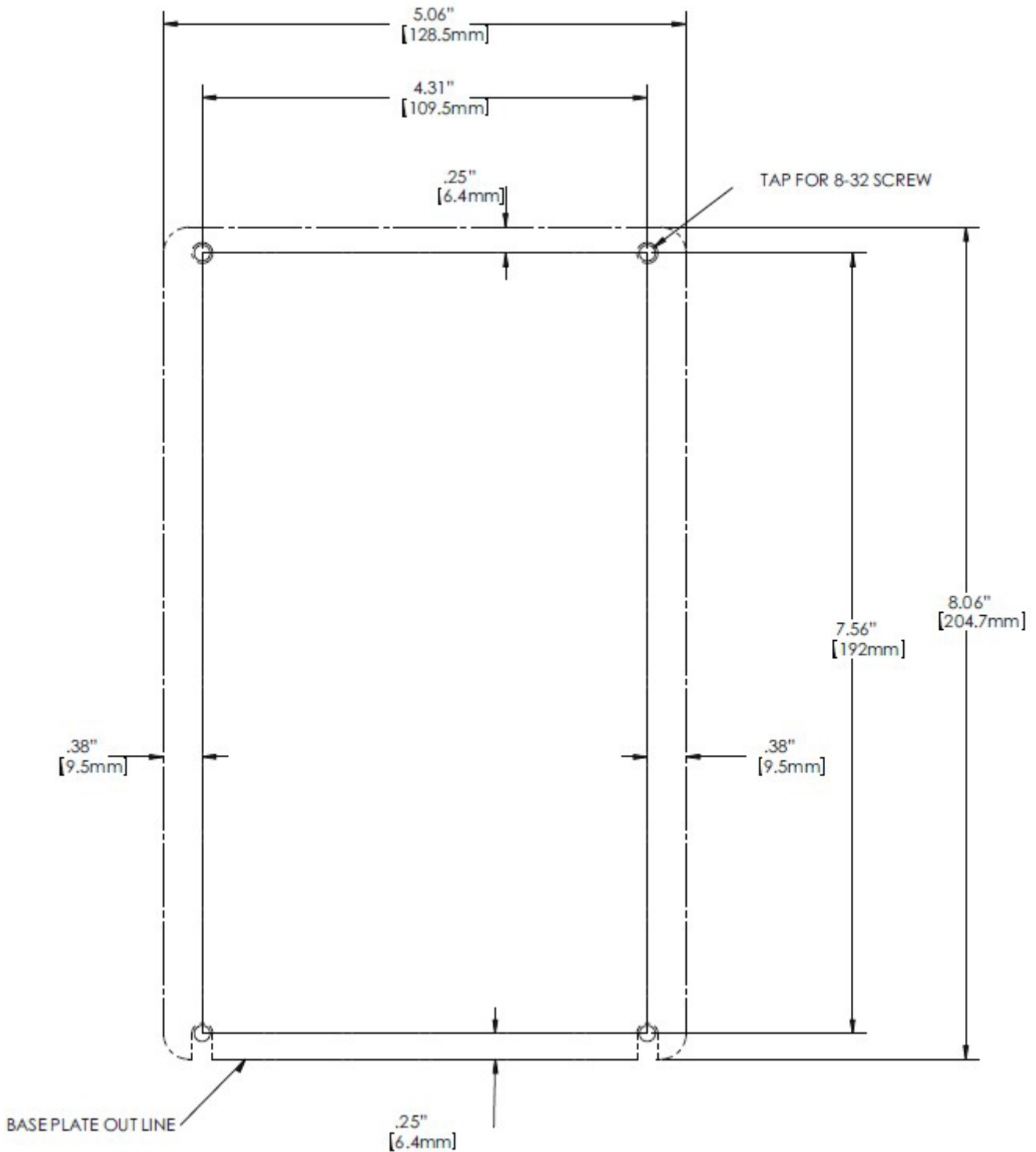
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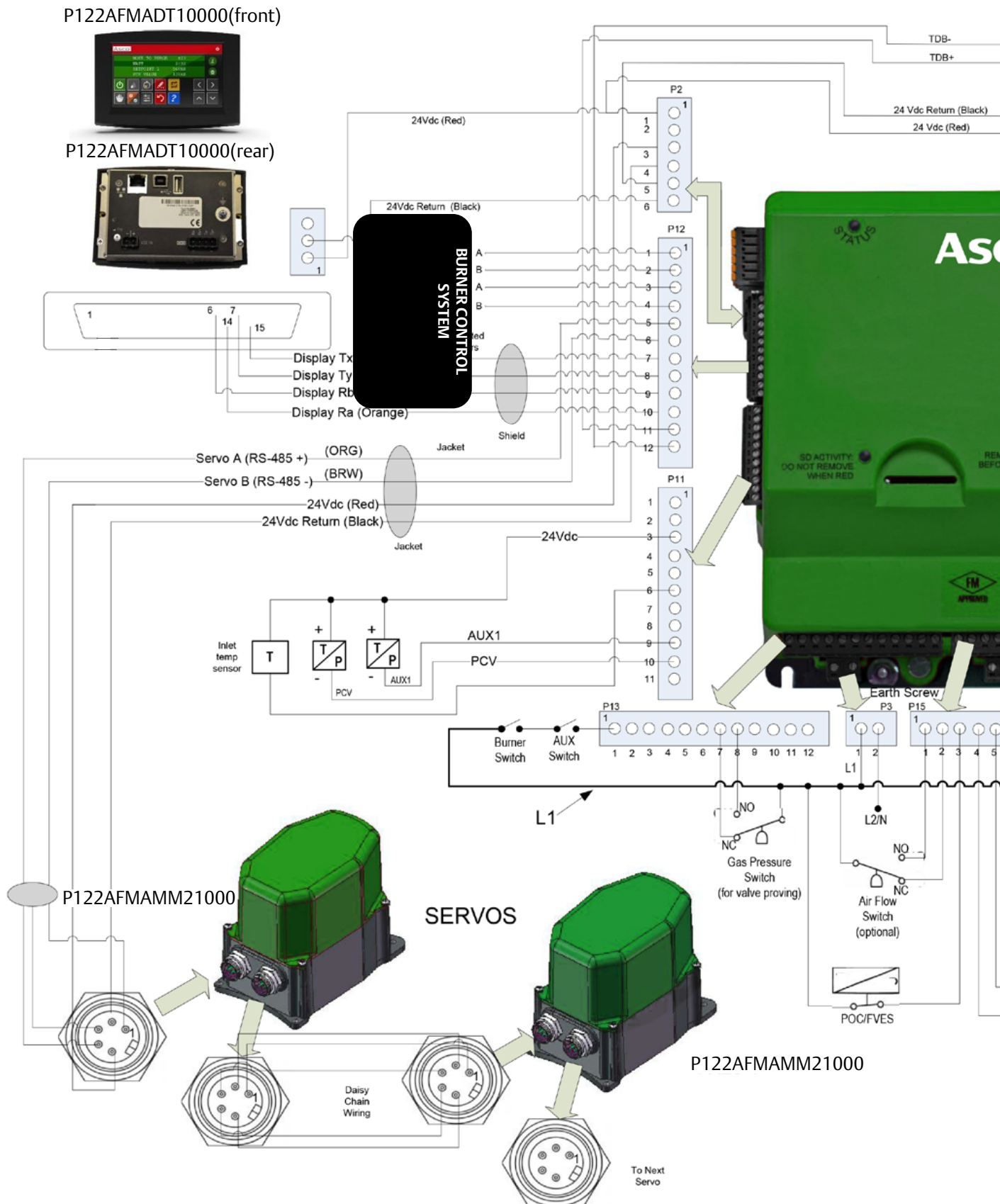
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## Dimensions (mm)



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**Wiring Diagram**

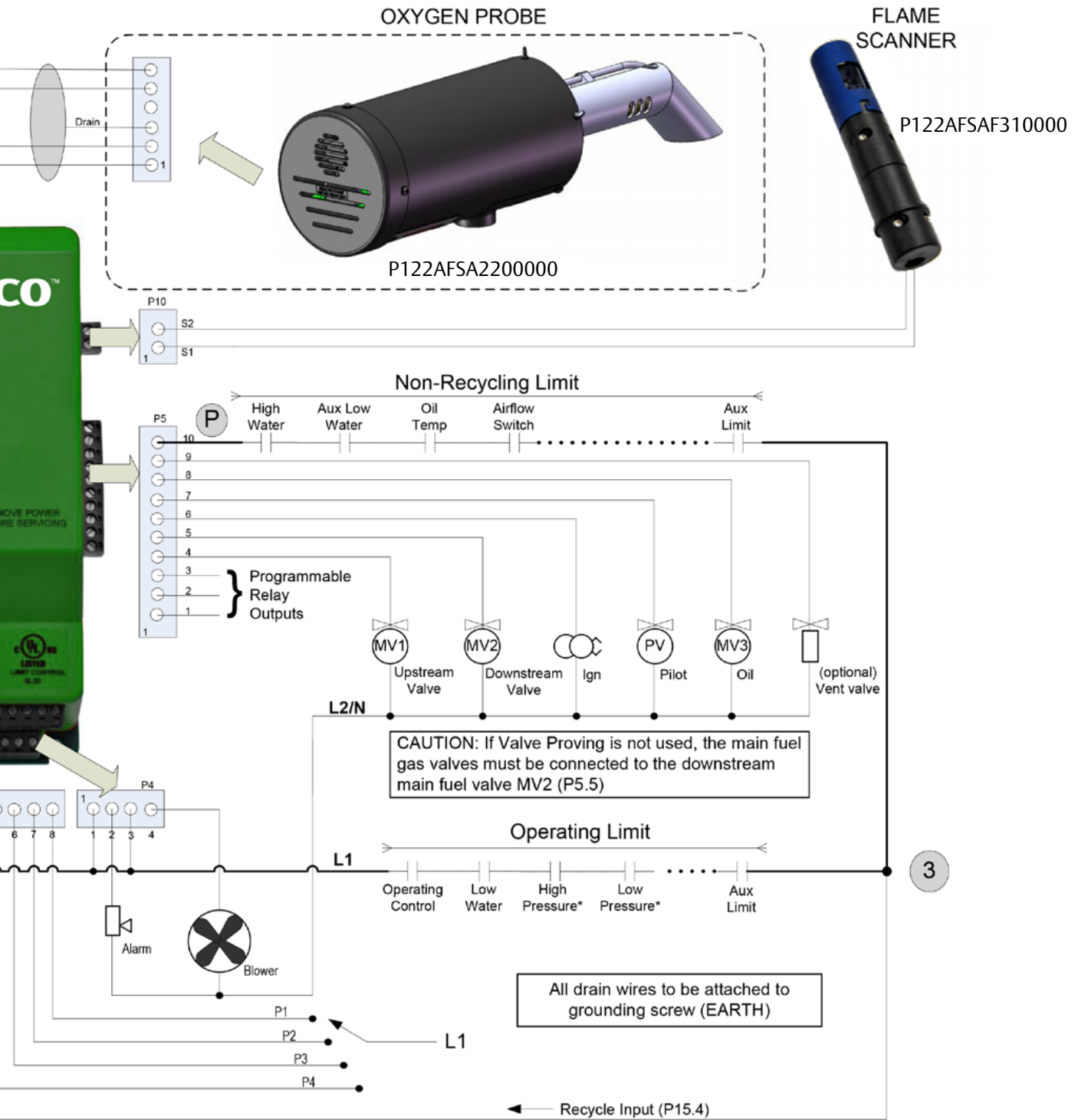


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