

Eclipse PulsePak

Zone Panel

PZ Series
Version 1



Parameter	Specifications
Power Supply	120 or 230 VAC, 1PH, 50/60 Hz
Ambient Temperature	32°F to 122°F (0°C to 50°C)
Enclosure Rating	NEMA 12
Dimensions	16" High x 14" Wide x 8" Deep (406 x 356 x 203 mm)
Weight	50 lbs (22 kg)
Flame Monitor	No Purge
Flame Sensor	Flame rod UV Scanner Self-Check UV Scanner (North America Only)
Ignition Transformer	Included
Start Signal	120 VAC or 230 VAC
Annunciation	Equipped with HMI and Remote Display
Temperature Control	Included
Remote Setpoint	4-20 mA
Remote Firing Rate (Load)	4-20 mA
Temperature Hi Limit Control	Selectable
Host Communication	Profibus or Modbus
PulsePak Burner Communication	CANBUS Only
Standard Alarm Outputs	All Burners Off, Zone in Manual, Zone Fail, Burner Fail
Optional Alarm Outputs	Hi Temp, Lo Temp, Hi Deviation, Cycle Alarm

Host Communication with the PulsePak Zone Panel

The PulsePak Zone Panel can communicate with the Customers Furnace Master PLC via PROFIBUS or MODBUS communication protocols.

Control Communication to the PulsePak Burner Panel

The PulsePak Zone Panel communicates with the PulsePak Burner Panel via CANBUS.

Recommended Communication Cable

CANBUS - BELDEN 7896A Multi-Conductor - DeviceBus® for ODVA DeviceNet™

PROFIBUS - BELDEN 3079A Multi-Conductor - DataBus® ISA/SP-50 PROFIBUS Cable

MODBUS - BELDEN 8777 Multi-Conductor - Shielded Twisted Pair Cable

Ignition Cable

Premade ignition cable and ignition cable kits can be found under accessories in Data 841.

Cables

Brad Harrison cables are recommended for the PulsePak Zone Control Panel. The cables can be ordered in different lengths.

Valve Cables use a 3 pole straight / 90° cable; the control panel connector end is a straight male and the valve connector end is a 90° female.

- Eclipse P/N 10051030 - 3 foot
- Eclipse P/N 10051031 - 6 foot
- Eclipse P/N 10051032 - 12 foot

Sensor Cables use a 4 pole straight / 90° cable; the control panel connector end is a straight male and the sensor connector end is a 90° female.

- Eclipse P/N 10051033 - 3 foot
- Eclipse P/N 10051034 - 6 foot
- Eclipse P/N 10051035 - 12 foot

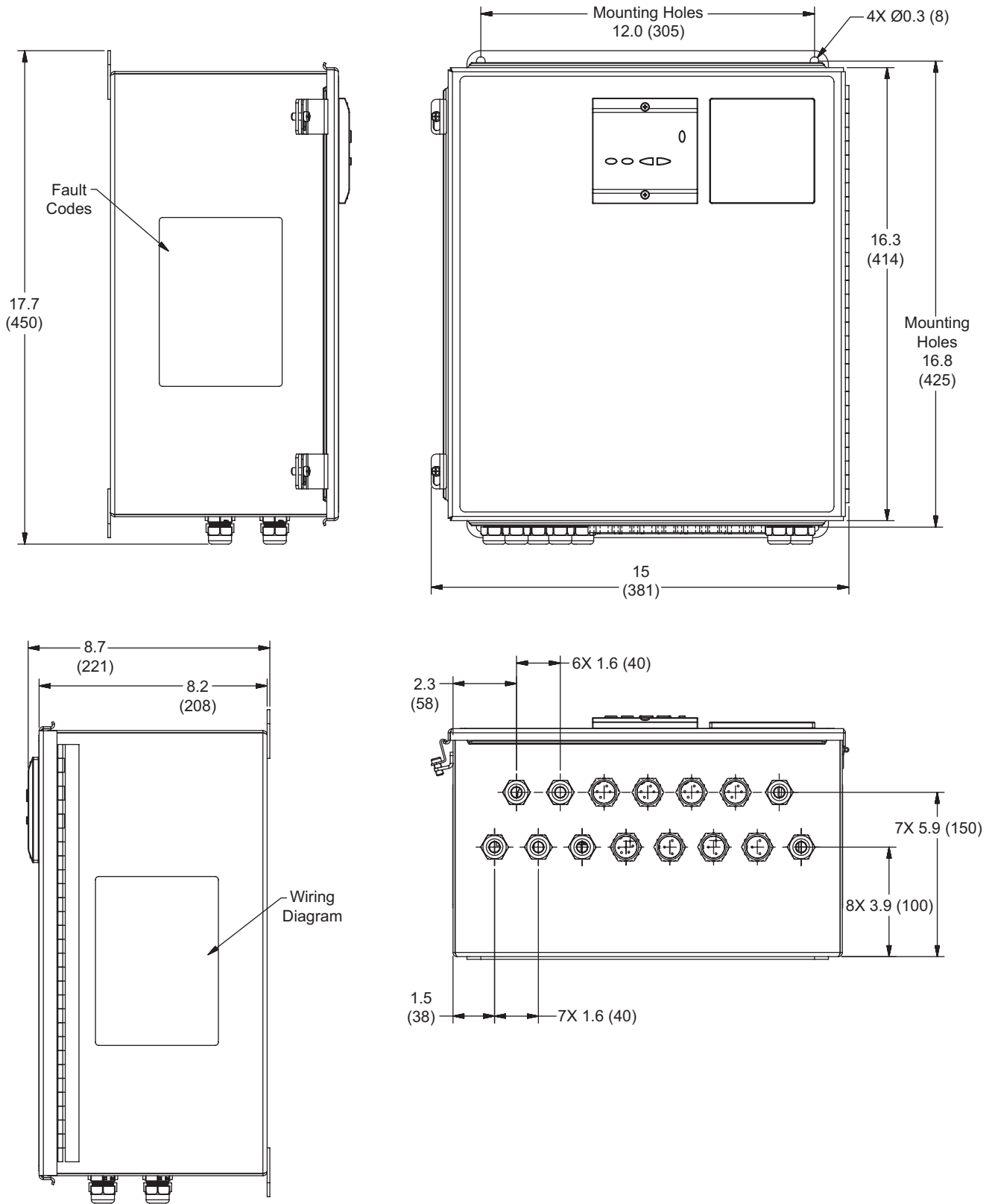
The Interlock Cable uses a 6 pole straight/straight cable; the control panel connector end is a straight male and the next control panel connector end is a straight female. Two cables can be connected together for increased length. If cable lengths require more cable connections, contact Eclipse with requirements.

- Eclipse P/N 10051036 - 3 foot
- Eclipse P/N 10051037 - 6 foot
- Eclipse P/N 10051038 - 12 foot
- Eclipse P/N 10051039 - 15 foot
- Eclipse P/N 10051040 - 20 foot
- Eclipse P/N 10051041 - 25 foot

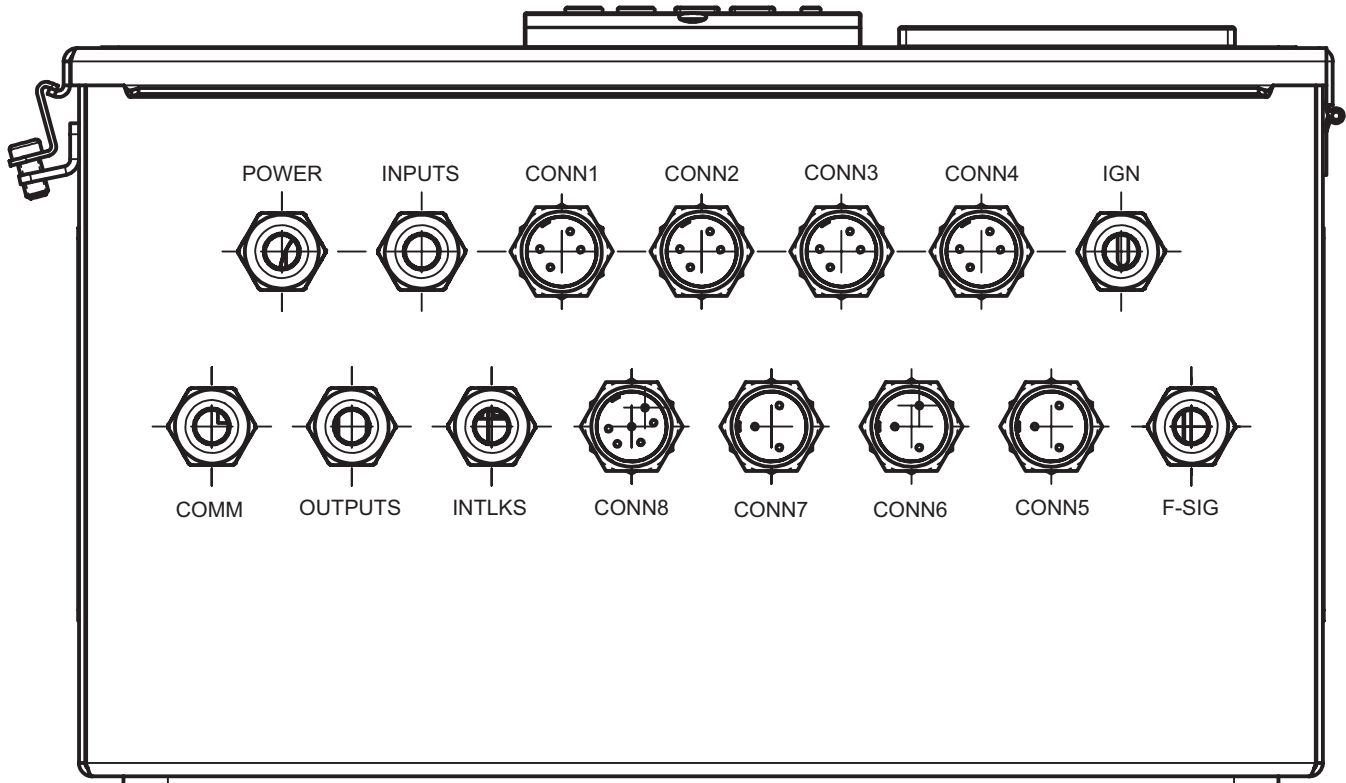
Drawings

Please refer to the Eclipse Product Information Center (EPIC) for PulsePak Zone Panel drawings.

Dimensions



Connector Layout





Offered By:

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