

Wire-In Color	Signal Type	Description
Red	+ VDC	Power supply (24VDC @ 750 mA)
Black	-VDC	
Green/Black Stripe	+RS485	Communications signal provided by modbus over serial
Red/Black Stripe	-RS485	
White/Black Stripe	RLY	Normally open relay contact (24 VDC)
Orange/Black Stripe	RLY	
Orange	+ mA	Analog out - output flow signal (4-20 mA)
Blue	- mA	
Green	+ mA	Analog in - input setpoint signal (4-20 mA)
White	- mA	



Alarm Code	Possible Causes	Possible Corrective Actions
LoPr (Low Pressure)	Low pressure indicated based on factory or user-specified values.	Increase regulator pressure. Verify all upstream solenoids and/or ball valves are open.
hi Pr (High Pressure)	High pressure indicated based on factory or user-specified values. (If indicated pressure is above sensor range, values WILL NOT be accurate.)	Decrease regulator pressure below the usable range of the sensor.
LoFL (Low Flow)	Low flow indicated based on user-specified values.	Increase flow rate on meter to a value above what has been set. Low pressure may be limiting the flow rate and pressure should be increased. High pressure may have been achieved and the meter is now reading incorrectly
hi FL (High Flow)	High flow indicated based on user-specified values.	Increase flow rate on meter to a value above what has been set. Low pressure may be limiting the flow rate and pressure should be increased

Flow Units	Code	Unit
	c Fh	CFH
	u 3h	m ³ /h
	l Ph	l/hr
	g Ph	gph
	n Fh	CFM
	u 3n	m ³ /min
	l Pn	l/min
	g Pn	gpm
	l b/h	lb/h
	kg h	kg/h

Baud Rate	Code	Rate
	1200	1200
	2400	2400
	4800	4800
	9600	9600
	144	14400
	288	28800
	384	38400
	576	57600
	768	76800
	1152	115200

Gas Type	Code	Gas
	c 2h 2	Acetylene
	A ir	Air
	n h 3	Ammonia
	A r	Argon
	c o 2	Carbon Dioxide
	c o	Carbon Monoxide
	d A	Dissociated Ammonia
	E n d n	Endo (w/methane)
	E n d P	Endo (w/propane)
	h e	Helium
	h 2	Hydrogen
	c h 4	Methane
	n a t	Natural Gas
	n 2	Nitrogen

Gas Type	Code	Gas
	n 2 o	Nitrous Oxide
	o 2	Oxygen
	c 3 h 8	Propane
	c 3 h 6	Propylene

Pressure Units	Code	Unit
	i n H 2 O	inH ₂ O
	P S I	PSI
	O S I	OSI
	m B a r	mBar
	k P a	kPa
	m m H g	mmHg
	m m H 2 O	mmH ₂ O

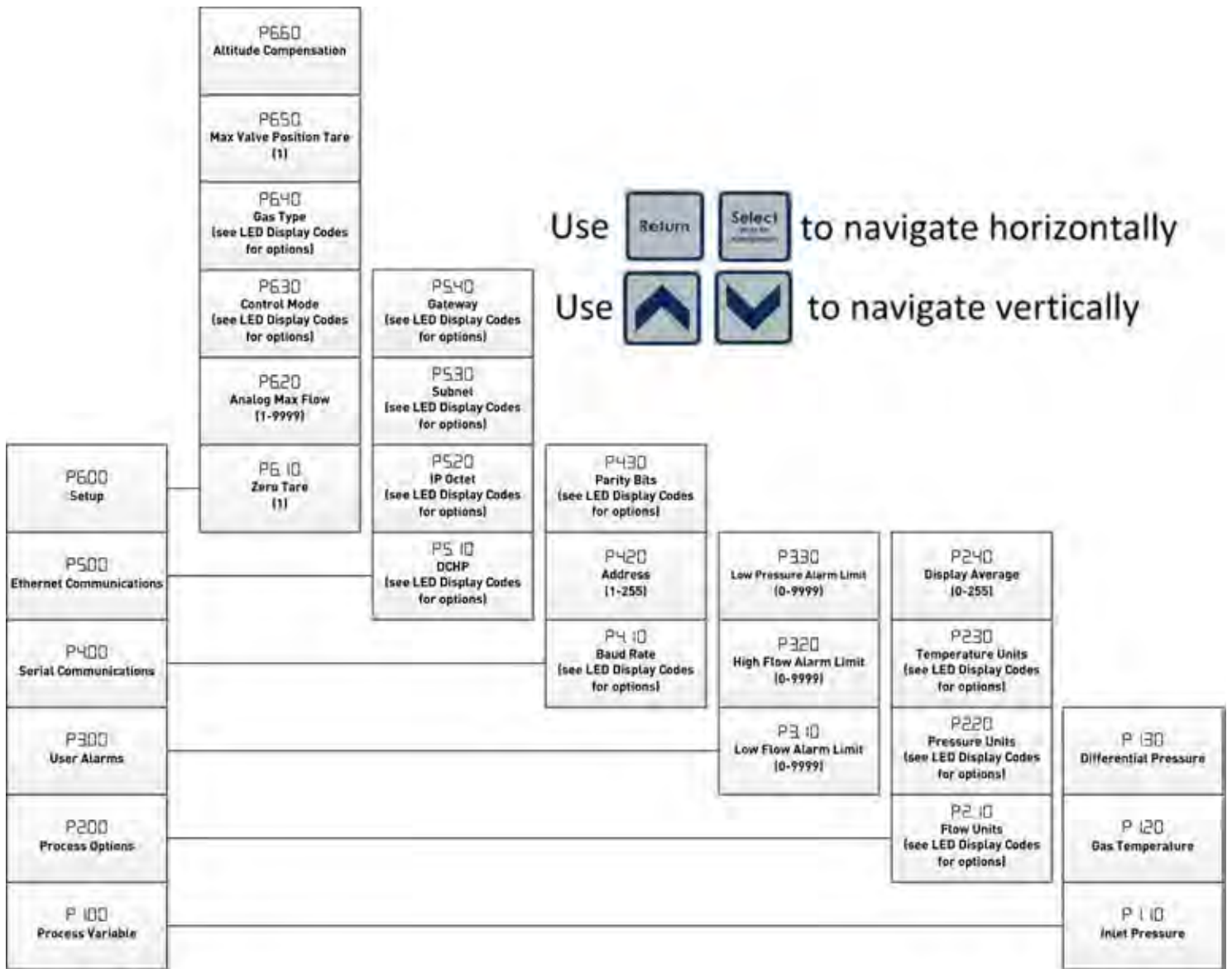
Parity	Code	Setting
	8 n	18N1
	8 E	18E1
	8 n 2	8N2

DHCP	Code	Setting
	d h c P	On
	n A n	Off

Ctrl Mode	Code	Setting
	0	Flow Control
	1	Valve Position

Temp Units	Code	Unit
	F	F
	C	C

Code	Function	Code	Function	Code	Function
P52 1 - P52 4	Assigns IP Address	P53 1 - P53 4	Assigns Subnet	P54 1 - P54 4	Assigns Gateway



Menu Navigation

Setup Procedure

For optimal accuracy and control, the following procedure is recommended:

1. **Zero Tare** (Resets the zero flow rate of the meter)
 - a. With the meter in manual mode, drive the valve completely closed with pressure applied.
 - b. Enter the setup menu and enter **P6.10**
 - c. Change the value to 1 and press Select to save.
2. **Max Tare** (Sets the max position the valve can drive to in valve position mode)
 - a. With the meter in manual mode, drive the valve open to the desired max flow rate.
 - b. Enter the setup menu and enter **P6.50**
 - c. Change the value to 1 and press Select to save.
3. **Altitude Compensation**
 - a. Enter the setup menu and enter **P6.60**
 - b. Enter the actual altitude for the installed location.
 - c. Press Select to save.