PCM –pH

INPUT WIRING

DGMA FLOW SWITCH

Connection at Sensor		Connection at D1C
Terminal 1 (Red Wire)	→	Block X1 Terminal 9 (X1 9)
Terminal 2 (Black Wire)	→	Block X1 Terminal 10 (X1 10)

pH SENSOR (jumper X2 – 9,10)

Connection at Sensor		Connection at D1C
Terminal 1 (Red Wire)	→	Block X2 Terminal 12 (X2 12)
Terminal 2 (Black Wire)	→	Block X2 Terminal 11 (X2 11)

TEMPERATURE SENSOR (PT100)

Connection at Sensor		Connection at D1C
Terminal 1 (Red Wire)	→	Block X1 Terminal 14 (X1 14)
Terminal 2 (Black Wire)	→	Block X1 Terminal 15 (X1 15)

FEEDFORWARD CONTROL IS OPTIONALLY PULSE-TYPE OR ANALOG FLOW. BOTH VARIATIONS ARE SHOWN. NOTE TERMINALS + AND – MAY BE INTERCHANGED ON PROMINENT WATER METERS

FEED FORWARD CONTROL (PULSE)

Connection at Watermeter		Connection at D1C
Terminal +	→	Block X1 Terminal 6 (X1 6)
Terminal -	→	Block X1 Terminal 7 (X1 7)

FEED FORWARD CONTROL (mA Signal)

Connection at Watermeter		Connection at D1C
Terminal +	→	Block X1 Terminal 14 (X1 14)
Terminal -	→	Block X1 Terminal 15 (X1 15)

PCM –pH

OUTPUT WIRING

LIMIT RELAY 1 (OPTIONAL)

Connection at D1C

XR1 Terminal 1 (TYPICALLY **NO** (can config. for **NC**))
XR1 Terminal 2 (COMMON)

LIMIT RELAY 2 (OPTIONAL)

Connection at D1C

XR2 Terminal 1 (TYPICALLY **NO** (can config. for **NC**))
XR2 Terminal 2 (COMMON)

ALARM RELAY (OPTIONAL)

Connection at D1C

XR3 Terminal 1 (**NO** CONTACT)
XR3 Terminal 2 (**NC** CONTACT)
XR3 Terminal 3 (COMMON)

mA OUTPUT 2 (OPTIONAL, Chart or Control)

Connection at D1C		Connection at Device
Block X1 Terminal 12 (X1 12)	→	(+) Positive Connection
Block X1 Terminal 13 (X1 13)	→	(-) Negative Connection

PUMP PULSE CONTROL OUTPUT 1 (OPTIONAL, INCREASE pH)

Connection at D1C		Connection at ProMinent Pump
Block X2 Terminal 5 (X2 5)	→	White Wire
Block X2 Terminal 6 (X2 6)	→	Brown/Black Wires Together

PUMP PULSE CONTROL OUTPUT 2 (OPTIONAL, DECREASE pH)

Connection at D1C		Connection at ProMinent Pump
Block X2 Terminal 3 (X2 3)	→	White Wire
Block X2 Terminal 4 (X2 4)	→	Brown/Black Wires Together

mA OUTPUT 1 (OPTIONAL, Chart or Control)

Connection at D1C		Connection at Device
Block X2 Terminal 1 (X2 1)	→	(+) Positive Connection
Block X2 Terminal 2 (X2 2)	→	(-) Negative Connection