

Channel	Description	Signal	Notes	Power Requirement
001	Flow Control Intellifacet	4-20 MA	RED,BLACK TWISTED PAIR	24 VDC
011	Pressure - High Side 1	1-5V	CABLE C1	8-30VDC
012	Pressure - High Side 2	1-5V	CABLE C2	8-30VDC
013	Pressure - Low Side	1-5V	CABLE C3	8-30VDC
014	Pressure - Pinput	1-5V	NC	12-24 vdc
015	Voltage - 20A Top Heater	DI 240 VAC Relay	CABLE C7:WHITE, PORT H1	
016	Voltage - 20A Bot Heater	DI 240 VAC Relay	CABLE C7:GREEN, PORT H2	
017	Temp Shell 1	Thermocouple - T	PP 1-7	
018	Flow	Across Resistor 1-5V	CABLE C17: GREEN/WHITE TWISTED PAIR	
019	Watt Sense	0-5V		
020	Watt Tick	Contact		
021	Temp Tank Tree 1	Thermocouple - T	PP 1-1	
022	Temp Tank Tree 2	Thermocouple - T	PP 1-2	
023	Temp Tank Tree 3	Thermocouple - T	PP 1-3	
024	Temp Tank Tree 4	Thermocouple - T	PP 1-4	
025	Temp Tank Tree 5	Thermocouple - T	PP 1-5	
026	Temp Tank Tree 6	Thermocouple - T	PP 1-6	
027	Temp Downspout	Thermocouple - T	Downspout	
028	Temp Shell 2	Thermocouple - T	PP 1-8	
029	Temp Shell 3	Thermocouple - T	PP 1-9	
030	Temp Shell 4	Thermocouple - T	PP 1-10	
031	Temp RTD Tin	4 wire RTD	CABLE C4	
032	Temp RTD Tout	4 wire RTD	CABLE C5	
033	Temp RTD Tamb	4 wire RTD	CABLE C6	
034	Voltage Reading	2 Wire 0-10 VDC	From Voltage Transducer in Control Panel	
041	Temp/Flow DO to intellifaucet	Contact	BLUE(twisted w/ black, black unused). On Connector Short pin G to E	SPST
042	Ready DO to intellifaucet	Contact	BLK (twisted w/grn, grn to dig gnd). On Connector Short pin F to E.	SPST
043	Start to intellifaucet	Contact	WHITE(twisted with blk, used on STOP). On Connector Short pin C to E	SPST
044	Stop to Intellifaucet	Contact	BLK (twisted with white, used on START). Short pin D to E	SPST
045	DRM 1 (input Low Bit)	Contact	RJ45, PIN 4. COM(standard color = BLUE) = PIN8 (standard color = BRN)	SPST
046	DRM 0 (input High Bit)	Contact	RJ45, PIN 5. COM(standard color = BLUE/WH) =PIN8(std.color = BRN)	SPST
047	Water Heater Power	240 VAC Contactor	To contactor	
048	Solenoid Purge Tank 1	120 VAC Relay		
049	Solenoid Output Tank 1	120 VAC Relay		
050	Solenoid Input Tank 1	120 VAC Relay		
051	Solenoid Purge Tank 2	120 VAC Relay	Only on RLT	
052	Solenoid Output Tank 2	120 VAC Relay	Only on RLT	
053	Solenoid Input Tank 2	120 VAC Relay	Only on RLT	
054	Solenoid Purge Tank 3	120 VAC Relay	Only on RLT	
055	Solenoid Output Tank 3	120 VAC Relay	Only on RLT	
056	Solenoid Input Tank 3	120 VAC Relay	Only on RLT	
057	Solenoid Purge Tank 4	120 VAC Relay	Only on RLT	
058	Solenoid Output Tank 4	120 VAC Relay	Only on RLT	
059	Solenoid Input Tank 4	120 VAC Relay	Only on RLT	
Building 2 TC Wiring				
Agilent 101	TC Evap1 - IN	Thermocouple - T	NC	NC
Agilent 102	TC Evap2	Thermocouple - T	NC	NC
Agilent 103	TC Evap3	Thermocouple - T	NC	NC
Agilent 104	TC Evap4	Thermocouple - T	NC	NC
Agilent 105	TC Evap5 - OUT	Thermocouple - T	PP 3-17	TC Xtra 8
Agilent 106	TC Xtra 1	Thermocouple - T	PP 3-18	TC Xtra 9
Agilent 107	TC Xtra 2	Thermocouple - T	PP 2-17	TC Shadow T5
Agilent 108	TC Xtra 3	Thermocouple - T	PP 2-18	TC Shadow T6
Agilent 109	TC Xtra 4	Thermocouple - T	PP 1-17	TC Xtra 2
Agilent 110	TC Dry/wet bulb 1	Thermocouple - T	PP 1-18	TC Xtra 3
Agilent 111	TC Dry/wet bulb 2	Thermocouple - T	PP-1-11	TC Evap1 - IN
Agilent 112	TC Dry/wet bulb 3	Thermocouple - T	PP-1-12	TC Evap2
Agilent 113	TC Dry/wet bulb 4	Thermocouple - T	PP-1-13	TC Evap3
Agilent 114	TC Tsuct	Thermocouple - T	PP-1-14	TC Evap4
Agilent 115	TC Tdis	Thermocouple - T	PP-1-15	TC Evap5 - OUT
Agilent 116	TC Tret	Thermocouple - T	PP-1-16	TC Xtra 1
Agilent 201	TC Controls 1	Thermocouple - T	PP-2-1	TC Dry/wet bulb 1
Agilent 202	TC Controls 2	Thermocouple - T	PP-2-2	TC Dry/wet bulb 2
Agilent 203	TC Controls 3	Thermocouple - T	PP-2-3	TC Dry/wet bulb 3
Agilent 204	TC Controls 4	Thermocouple - T	PP-2-4	TC Dry/wet bulb 4
Agilent 205	TC Controls 5	Thermocouple - T	PP-2-5	TC Tsuct
Agilent 206	TC Shadow T1	Thermocouple - T	PP-2-6	TC Tdis
Agilent 207	TC Shadow T2	Thermocouple - T	PP-2-7	TC Tret
Agilent 208	TC Shadow T3	Thermocouple - T	PP-2-8	TC Controls 1
Agilent 209	TC Shadow T4	Thermocouple - T	PP-2-9	TC Controls 2
Agilent 210	TC Shadow T5	Thermocouple - T	PP-2-10	TC Controls 3
Agilent 211	TC Shadow T6	Thermocouple - T	PP-2-11	TC Controls 4
Agilent 212	Temp Xtra 5	Thermocouple - T	PP-2-12	TC Controls 5
Agilent 213	Temp Xtra 6	Thermocouple - T	PP-2-13	TC Shadow T1
Agilent 214	Temp Xtra 7	Thermocouple - T	PP-2-14	TC Shadow T2
Agilent 215	Temp Xtra 8	Thermocouple - T	PP-2-15	TC Shadow T3
Agilent 216	Temp Xtra 9	Thermocouple - T	PP-2-16	TC Shadow T4
Agilent 301	TC Cond1 - IN	Thermocouple - T	PP-3-1	TC Cond1 - IN
Agilent 302	TC Cond2	Thermocouple - T	PP-3-2	TC Cond2
Agilent 303	TC Cond3	Thermocouple - T	PP-3-3	TC Cond3
Agilent 304	TC Cond4	Thermocouple - T	PP-3-4	TC Cond4
Agilent 305	TC Cond5	Thermocouple - T	PP-3-5	TC Cond5
Agilent 306	TC Cond6	Thermocouple - T	PP-3-6	TC Cond6
Agilent 307	TC Cond7	Thermocouple - T	PP-3-7	TC Cond7
Agilent 308	TC Cond8	Thermocouple - T	PP-3-8	TC Cond8
Agilent 309	TC Cond9	Thermocouple - T	PP-3-9	TC Cond9
Agilent 310	TC Cond10	Thermocouple - T	PP-3-10	TC Cond10
Agilent 311	TC Cond11	Thermocouple - T	PP-3-11	TC Cond11
Agilent 312	TC Cond12 - OUT	Thermocouple - T	PP-3-12	TC Cond12 - OUT
Agilent 313	NC	Thermocouple - T	PP-3-13	TC Xtra 4