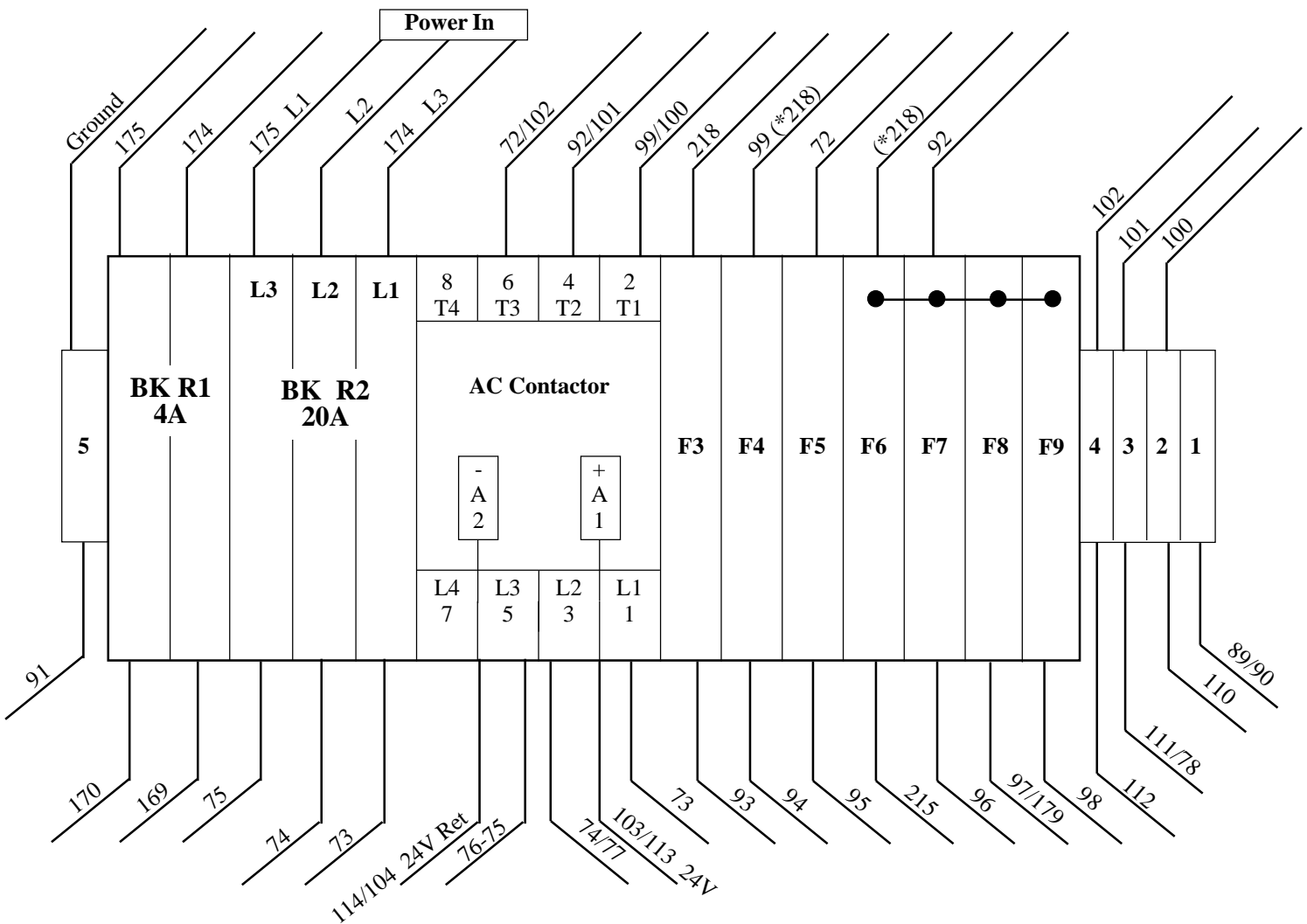


DRS25 (Air-Vac) - WAGO

AC Power Distribution - Diagram

3-Phase Power

Right Sub-Plate
#0025.77.075



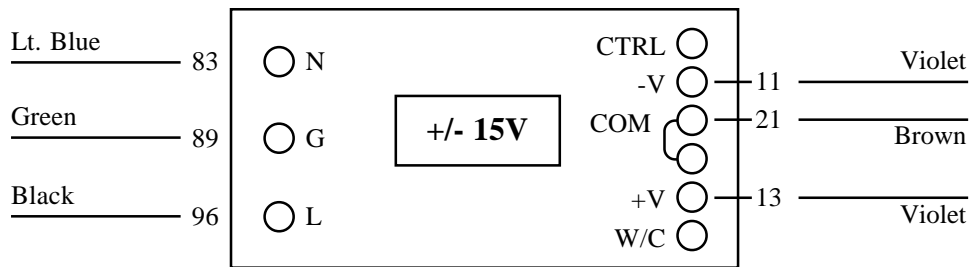
*218 connects to F3 & F4 for 3 heater configuration
*218 connects to F3 & F6 for 2 heater configuration

DRS25 - WAGO

DC Power Distribution - Diagram 3-Phase Wiring

Right Sub-Plate
#0025.77.075

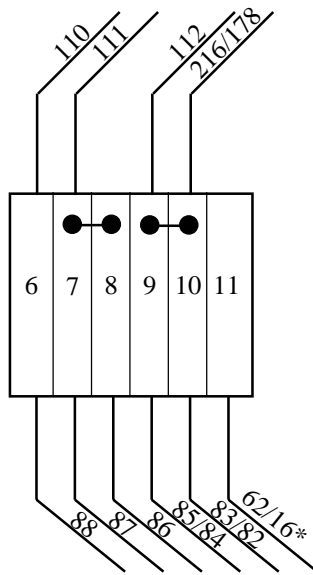
MASS FLOW POWER SUPPLY



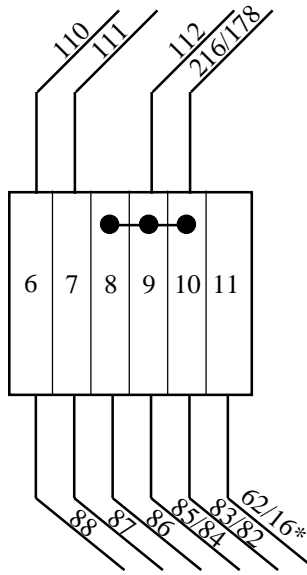
DRS25 (Air-Vac) - WAGO

Right Sub-Plate
#0025.77.075

AC Power Distribution - Diagram 3-Phase Wiring Terminal Blocks



3 Heater



2 Heater

Jumper Settings

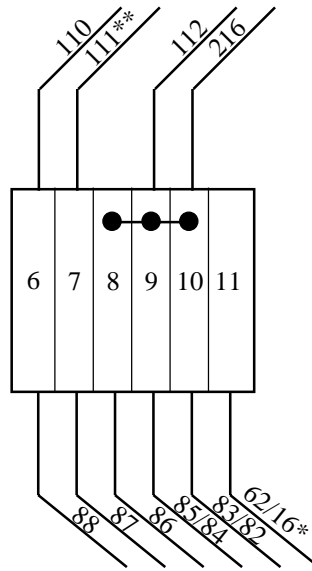
3 Heater **9-10/7-8**
2 Heater **8-9-10**

*Wires 62 and 16 are from the DC harness

DRS25 (Zevac) - WAGO

Right Sub-Plate
#0025.77.075

AC Power Distribution - Diagram 3-Phase Wiring Terminal Blocks



2 and 3 Heater

Jumper Settings

3 Heater 8-9-10
2 Heater 8-9-10

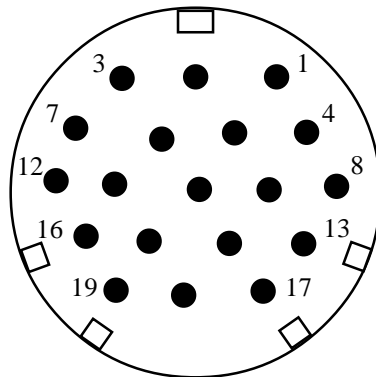
*Wires 62 and 16 are from the DC harness

DRS25 - WAGO

J2 DC Power - Power Out Checks

Right Sub-Plate
#0025.77.075

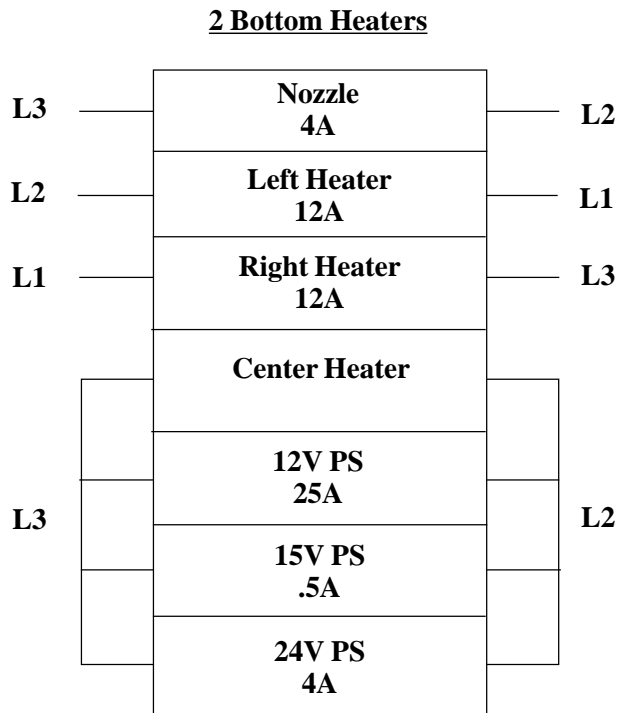
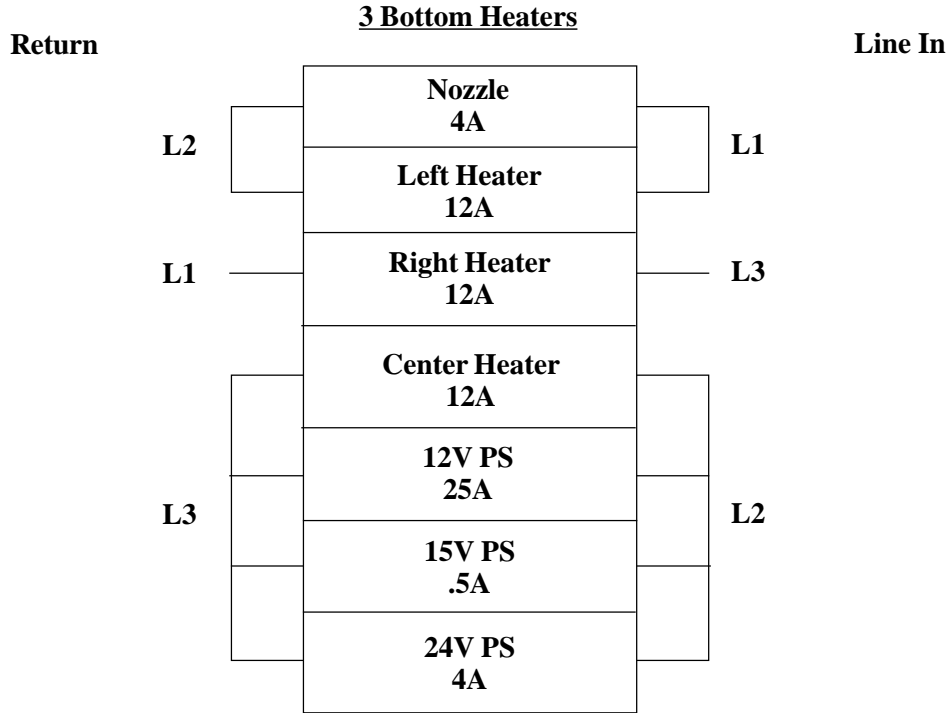
<u>PIN</u>		<u>WIRE#</u>
1	Earth Ground	16
2	-15	11
3	15V Ground	21
4	+15	13
5	+12	60
6	12V Ground	61
7	+24V DC	52
8	+24V DC	54
9	+24V DC	56
10	+24V DC	58
11	+24V DC	116
12	+24V DC	115
13	24V Ground	53
14	24V Ground	55
15	24V Ground	57
16	24V Ground	59
17	24V Ground	27
18	24V Ground	63
19	Earth Ground	62



DRS25 - WAGO

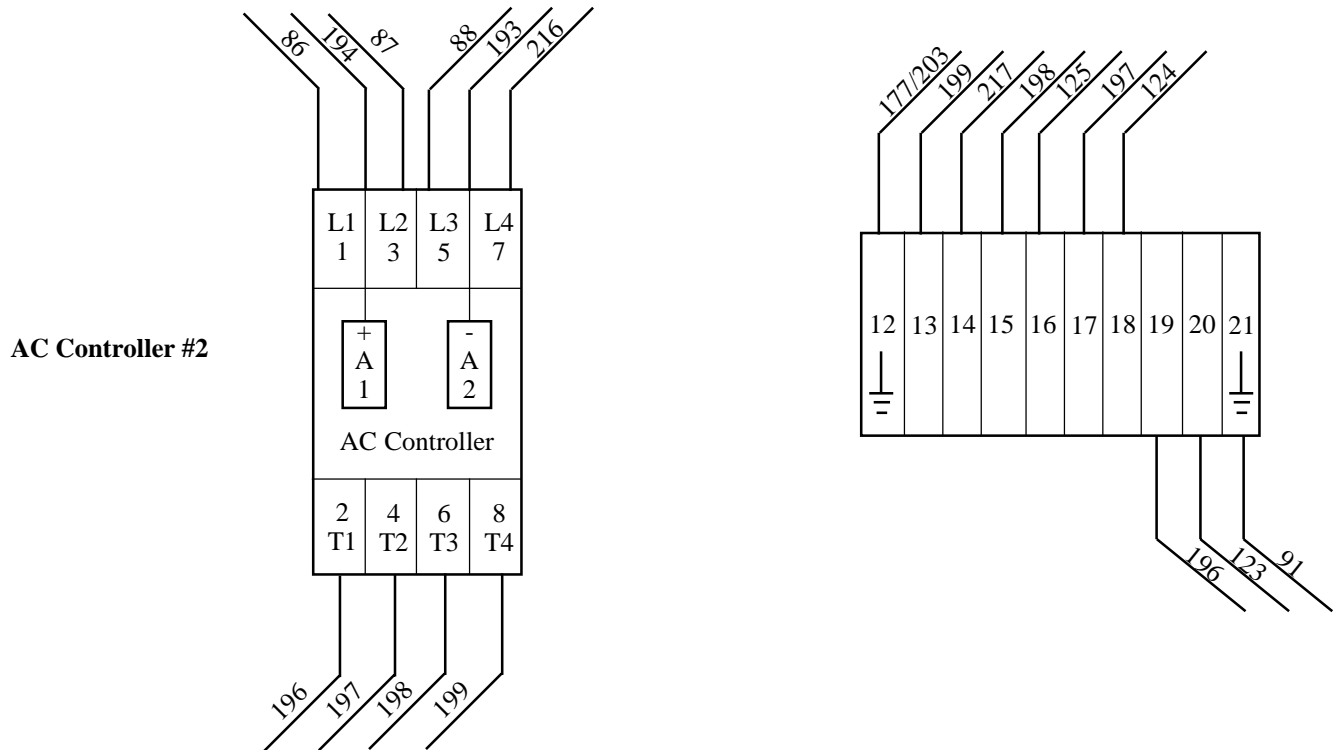
3-Phase AC Loading

Right Sub-Plate
#0025.77.075

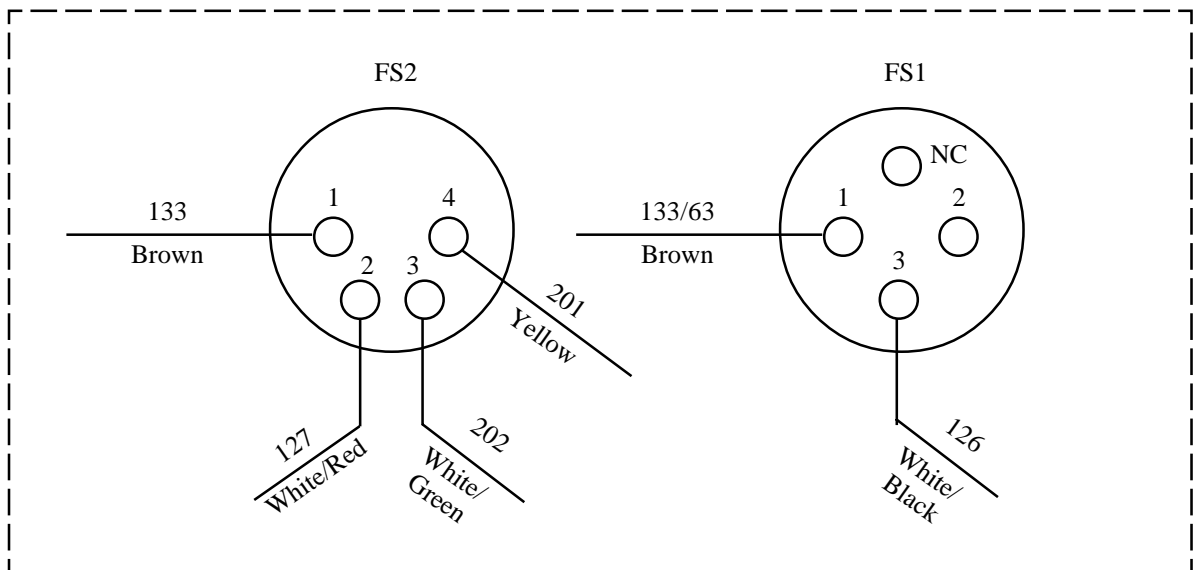


DRS25 - WAGO

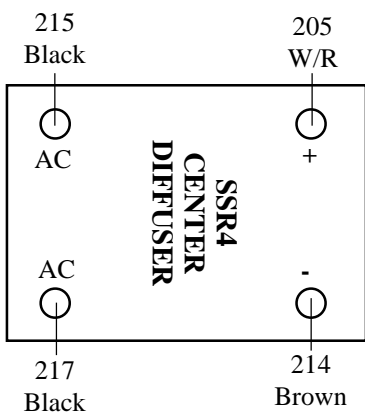
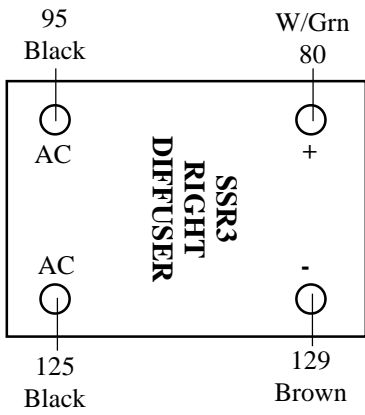
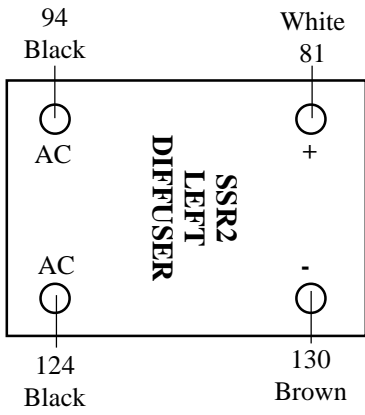
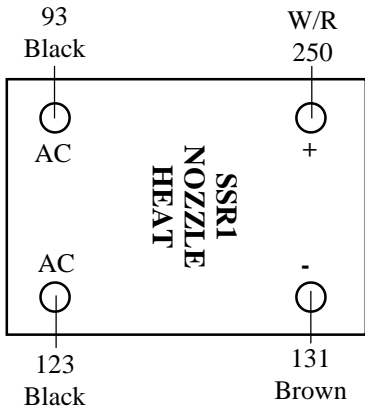
#0025.77.046 Temperature Box Assembly - Diagram 3-Phase Wiring



Back of Sockets



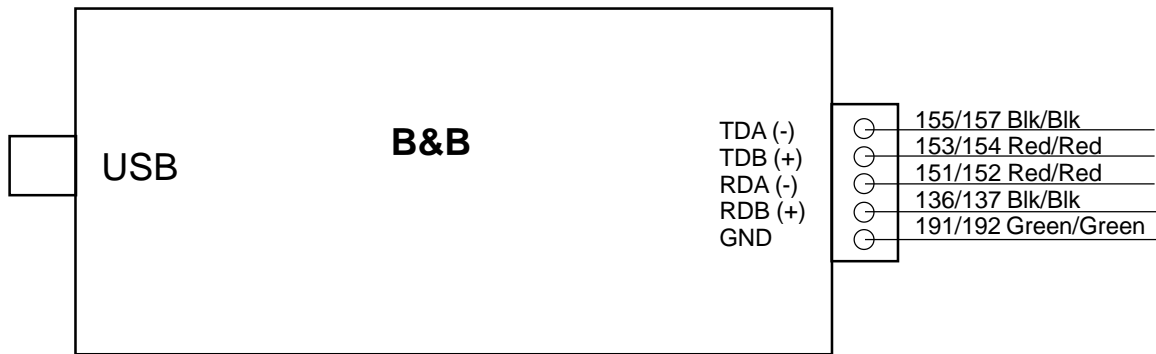
DRS25 - WAGO Temperature Box Assembly - Diagram #0025.77.046



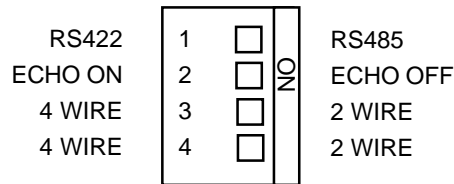
DRS25 - WAGO

B & B

Left Box Sub Plate #0025.77.043



Dip Switches



ALL SWITCHES SET TO ON

I/O Call Outs – DRS25 WAGO

<u>Model Type & ID#</u>	<u>WAGO Model#</u>	<u>WAGO Pin#</u>	<u>Wire#</u>
<u>PWM - 0</u>	<u>750-511</u>	<u>Top Leads</u>	<u>69</u>
<u>PWM - 1</u>		<u>Bottom Leads</u>	<u>71</u>
<u>A out - 0</u>	<u>750-560</u>	<u>MFC</u>	<u>25</u>
<u>A out - 1</u>		<u>P-Cool</u>	<u>26</u>
<u>A in - 0</u>		<u>MFC</u>	<u>24</u>
<u>A in - 1</u>	<u>750-457</u>	<u>Site Clean Vacuum Sense</u>	<u>262</u>
<u>A in - 2</u>		<u>Nozzle Sense</u>	<u>261</u>
<u>A in - 3</u>			
<u>D out - 0</u>		<u>AZ Contactor #2 (Heat)</u>	<u>194</u>
<u>D out - 1</u>		<u>Puff Off Sol</u>	<u>12</u>
<u>D out - 2</u>		<u>Nozzle cold/hot</u>	<u>9</u>
<u>D out - 3</u>		<u>Nozzle Vac</u>	<u>5</u>
<u>D out - 4</u>	<u>750-530</u>	<u>Site Clean</u>	<u>4</u>
<u>D out - 5</u>		<u>Probe Vac</u>	<u>3</u>
<u>D out - 6</u>		<u>Air Knife High</u>	<u>6</u>
<u>D out - 7</u>		<u>Air Knife Low</u>	<u>7</u>
<u>D out - 0-8</u>		<u>Accessory Plug 4</u>	<u>201</u>
<u>D out - 1-9</u>		<u>Relay Motor Power</u>	<u>195</u>
<u>D out - 2-10</u>		<u>Accessory Plug 3</u>	<u>202</u>
<u>D out - 3-11</u>	<u>750-530</u>	<u>Diff Left High</u>	<u>1</u>
<u>D out - 4-12</u>		<u>Diff Left Low</u>	<u>2</u>
<u>D out - 5-13</u>		<u>N2/Air</u>	<u>8</u>
<u>D out - 6-14</u>			
<u>D out - 7-15</u>		<u>Z Motor Stop Input</u>	
<u>D in - 0</u>		<u>Future Use</u>	<u>200</u>
<u>D in - 1</u>			
<u>D in - 2</u>			
<u>D in - 3</u>		<u>Footswitch</u>	<u>126</u>
<u>D in - 4</u>		<u>Accessory Plug 2</u>	<u>127</u>
<u>D in - 5</u>	<u>750-436</u>	<u>LP1 N2 Reg</u>	<u>14</u>
<u>D in - 6</u>		<u>Vacuum Button</u>	<u>128</u>
<u>D in - 7</u>		<u>LP2 Air Reg</u>	<u>15</u>
<u>TC Mod 1</u>	<u>750-469</u>	<u>TC 1 & 2</u>	
<u>TC Mod 2</u>		<u>TC 3 & 4</u>	
<u>TC Mod 3</u>		<u>TC 5 & 6</u>	
<u>TC Mod 4</u>		<u>TC 7 & 8</u>	

<u>Model Type & ID#</u>	<u>WAGO Model#</u>	<u>WAGO Pin#</u>	<u>Wire#</u>
<u>Force</u>	<u>750-491</u>	<u>Strain Gauge</u>	<u>1</u>
<u>Force</u>		<u>Strain Gauge</u>	<u>2</u>
<u>Force</u>		<u>Strain Gauge</u>	<u>3</u>
<u>Force</u>		<u>Strain Gauge</u>	<u>4</u>
<u>Force</u>		<u>Strain Gauge</u>	<u>5</u>
<u>Force</u>		<u>Strain Gauge</u>	<u>6</u>
<u>Force</u>		<u>Strain Gauge</u>	<u>7</u>
<u>Force</u>		<u>Strain Gauge</u>	<u>8</u>

Address Map

ID#

<u>#2</u>	<u>Nozzle – Temp Controller</u>
<u>#3</u>	<u>Left – Temp Controller</u>
<u>#4</u>	<u>Right – Temp Controller</u>
<u>#5</u>	<u>Center – Temp Controller</u>
<u>#6</u>	<u>WAGO</u>
<u>#7</u>	<u>Vision Motor</u>
<u>#8</u>	<u>Z-Axis</u>