



PIVOT CONTROLLER

General:

The Pivot Controller is designed to help with the even distribution of water and fertilizer when irrigating through a Pivot.

Working Principal:

The Pivot Controller has the ability to sense current to the drive motors responsible for moving the Pivot. As long as the Pivot is aligned all drive motors will be active drawing current. Should the Pivot get out of line, micro-switches will attempt to straighten the Pivot. If it is impossible for the micro-switches to straighten the Pivot, the Pivot Controller will stop the pump supplying the Pivot after a minimum time of 1min 22sec. This time can be set on the Pivot Controller to a maximum time of 42min 27sec. If the micro-switches are able to straighten the Pivot before the time set on the Pivot Controller runs out, it will not stop the supply pump.

Time Selection:

1	2	3	4	Time Selected	
0	0	0	0	01 minutes	22 seconds
1	0	0	0	04 minutes	06 seconds
0	1	0	0	06 minutes	52 seconds
1	1	0	0	09 minutes	37 seconds
0	0	1	0	12 minutes	21 seconds
1	0	1	0	15 minutes	05 seconds
0	1	1	0	17 minutes	49 seconds
1	1	1	0	20 minutes	34 seconds
0	0	0	1	23 minutes	18 seconds
1	0	0	1	26 minutes	02 seconds
0	1	0	1	28 minutes	47 seconds
1	1	0	1	31 minutes	30 seconds
0	0	1	1	34 minutes	14 seconds
1	0	1	1	36 minutes	59 seconds
0	1	1	1	39 minutes	43 seconds
1	1	1	1	42 minutes	27 seconds

0 = OFF
 1 = ON

Connection Diagram:

