arduino > rate controller > AOG

PGN32761 Switches

0	HeaderHi	127
1	HeaderLo	249
2	-	
3	-	
4	-	
5	SecOn Hi	8-15
6	SecOn Lo	0-7
7	SecOff Hi	
8	SecOff Lo	
9	Command	
	- bit 0	auto button on
	- bit 1	auto button off
	- bit 2,3	rate change steps 0-3
	- bit 4	0 - change left, 1 - change right
	- bit 5	0 - rate down, 1 - rate up

Rate Controller

PGN35200 to Rate Controller from Arduino

0	HeaderHi	137
1	HeaderLo	128
2	rate applied Hi	100 X actual
3	rate applied Lo	
4	acc. Quantity byte 3	100 X actual
5	acc. Quantity byte 2	
6	acc. Quantity byte 1	

PGN35400 to Rate Controller from AOG

0	HeaderHi	138
1	HeaderLo	72
2	worked area Hi	hectares X 100
3	worked area Lo	
4	WorkingWidth Hi	100 X actual
5	WorkingWidth Lo	
6	Speed Hi	100 X actual
7	Speed Lo	
8	mdSectionControlByteHi	
9	mdSectionControlByteLo	

Arduino Module

PGN35000 to Arduino from Rate Controller

0	HeaderHi	136
1	HeaderLo	184
2	relay Hi	8-15
3	relay Lo	0-7
4	rate set Hi	100 X actual
5	rate set Lo	100 X actual
6	Flow Cal Hi	100 X actual
7	Flow Cal Lo	100 X actual
8	Command	
	- bit 0	reset acc. Quantity
	- bit 1,2	valve type 0-3
	- bit 3	simulate flow

PGN35100 to Arduino from Rate Controller

0	HeaderHi	137
1	HeaderLo	28
2	KP	10 X actual
3	KI	10000 X actual
4	KD	10 X actual
5	Deadband	% error allowed
6	MinPWM	
7	MaxPWM	