tate Transition Matrix:		Conditions																2 Slaapkamer		
										Toilet										
d State	TimeOfDay	CO2 reading	RH Reading	Remote	Timer	New state	Fan speed	valve0	valve1	valve2	valve3	valve4	valve5		valve7	valve8	valve9	valve10	valve11	Comme
0 Start						Init	Fan speed low		4 4	4	4 (0 (1	24	-) 4		4	4	4
1 Init	Day	-	-	-	-	Day	Fan speed medium		4	4	4 (0) 4	24) 4	1	4	4	4
2 Init	Night	-	-	-	-	Night	Fan speed low		4	4	4 (0) 4	24) 4	1	4	4	4
3 Day	Night	CO2 < 700ppm	RH < 90% or dRH/dt <12	Off	-	Night	Fan speed low		4 4	4	4 (0) 4	24) 4	1	4	4	4
4 Night	Day	CO2 < 700ppm	RH < 90% or dRH/dt <12	Off	-	Day	Fan speed medium		4	4	4 (0 () 4	24	1 0) 4	1	4	4	4
5 Day	Day	CO2 > 900ppm	-	Off	-	High CO2 day	Fan speed high		4 4	4	4 (0 () 4	24	0) 4	1	4	4	4
6 High CO2 day	Day	CO2 < 700ppm	RH < 90% or dRH/dt <12	Off	-	Day	Fan speed medium		4	4	4 (0 () 4	24	1 0) 4	1	4	4	4
7 Night	Night	CO2 > 900ppm	RH < 90% or dRH/dt <12	Off	-	High CO2 night	Fan speed low		4 4	4	4 (0 0) 4	24	. 0	20) 2	0 2	20 2	20
8 High CO2 night	Night	CO2 < 700ppm	RH < 90% or dRH/dt <12	Off	-	Night	Fan speed low		4 4	4	4 (0 () 4	24	1 0) 4	1	4	4	4
9 High CO2 night		CO2 > 900ppm	RH < 90% or dRH/dt <12	Off	-	High CO2 day	Fan speed high		4 4	4	4 (0 () 4	24	1 0) 4	1	4	4	4
10 High CO2 day		CO2 > 900ppm	RH < 90% or dRH/dt <12		-	High CO2 night	Fan speed low		4 4	4	4 (0 () 4			20) 2	0 2	20 2	20
11 Day		CO2 < 700ppm	RH > 90% or dRH/dt >12	-	-	High RH day	Fan speed high		4 4	4	4 (0 () 4	24				-	-	4
12 High RH day		CO2 < 700ppm	-	Off	After 45m	Day	Fan speed medium		4 4	4	4 (24					4	4
13 High RH day		CO2 > 900ppm	RH > 90% or dRH/dt >12	-	-	High CO2 day	Fan speed high		4	4	4 (-		24		1	-	-	4	4
14 Night		CO2 < 700ppm	RH > 90% or dRH/dt >12		_	High RH night	Fan speed low		4	4	4 (0 (24				4	4	4
15 High RH night		CO2 < 700ppm	RH > 90% or dRH/dt >12	-	After 45m	Night	Fan speed low		4	4	4 (0 (24		1		-	4	4
16 High RH night		CO2 > 900ppm	RH > 90% or dRH/dt >12	-	Alter 40III	High CO2 night	Fan speed low		4	4	4 (0 (24		20		1	-	20
		CO2 > 900ppm	RH > 90% or dRH/dt >12	-	-	High RH night			4 .	4	4 (0 (24				-		4
17 High RH day	5 -			-	-		Fan speed low		4 '	4	4 (4		4	4	4
18 High RH night		CO2 < 700ppm	RH > 90% or dRH/dt >12		-	High RH day	Fan speed medium		4 .	4	4 (0 (1	24	-	4	1	4	4	4
19 Day	Day	-	-	Off	At 17:20	Cooking	Fan speed high	2	0 20	U	4 (0 (4		2		4	4	4
20 Cooking	Day	-	-	Off	At 18:00	Day	Fan speed medium		4 4	4	4 (0 (1	24) 4	•	4	4	4
21 Cooking		CO2 > 900ppm	-	Off	-	High CO2 day	Fan speed high		4 4	4	4 (0 (24		1	•	4	4	4
22 Cooking		CO2 < 700ppm	RH > 90% or dRH/dt >12	Off	-	High RH day	Fan speed high		4 4	4	4 (0 (1	24		1	•	1	4	4
23 Night		CO2 < 700ppm	RH < 90% or dRH/dt <12	-	At 23:00, 1:00, 3:00, 5:00	Valve cycle night	Fan speed low		4	4	4 (0 () 4	24		20	2	0 2	20 2	20
24 Valve cycle night	Night	CO2 < 700ppm	RH < 90% or dRH/dt <12	-	At 23:30, 1:30, 3:30, 5:30	Night	Fan speed low		4	4	4 (0 () 4	24	. 0	1	•			4
25 Valve cycle night	Night	CO2 > 900ppm	-	-		High CO2 night	Fan speed low		4 4	4	4 (0 () 4	24	1 0	20) 2	0 2	20 2	20
26 Day	Day	CO2 < 700ppm	RH < 90% or dRH/dt <12	Off	At 10:00, 12:00,14:00,16:00, 18:00, 20:00	Valve cycle day	Fan speed medium	2	0 20	0 2	20 0	0 () 4	4	1 0	20) 2	0 2	20 2	20
27 Valve cycle day	Day	CO2 < 700ppm	RH < 90% or dRH/dt <12	Off	At 10:30, 12:30,14:30,16:30, 18:30, 23:00	Day	Fan speed medium		4 4	4	4 (0 0) 4	24	. 0) 4	1	4	4	4
28 Valve cycle day	Day	CO2 > 900ppm	-	Off	-	High CO2 day	Fan speed high		4 4	4	4 (0 () 4	24	1 0) 4	1	4	4	4
29 Valve cycle day	Day	CO2 < 700ppm	RH > 90% or dRH/dt >12	Off	-	High RH day	Fan speed high		4 4	4	4 (0 () 4	24	1 0) 4	1	4	4	4
30 Day		CO2 < 700ppm	RH < 90% or dRH/dt <12		_	Manual High Speed			4 .	4	4 () () 4	24		1 4	1	4	4	4
31 Manual high speed		CO2 < 700ppm	RH < 90% or dRH/dt <12		-	Day	Fan speed medium		4 4	4	4 (0 () 4	24) 4	1	4	4	4
32 High CO2 day	Day	-	-	On	45m	Manual High Speed	Fan speed high		4 4	4	4 (0 () 4	24) 4	1	4	4	4
		CO2 > 900ppm	RH < 90% or dRH/dt <12		-	High CO2 day	Fan speed high		4 4	4	4 (0 0) 4	24) 4	1	4	4	4
34 Manual high speed		CO2 > 900ppm	-	-	-	High CO2 night	Fan speed low		4 4	4	4 (0 () 4	24) 20) 2	0 2	20 2	20
35 Manual high speed		CO2 < 700ppm	-	-	-	Night	Fan speed low		4 4	4	4 (0 () 4	24) 2		4	4	4
36 High RH day	Day		-	On	45m	Manual High Speed			4 4	4	4 (0 () 4	24	. 0	1 4	1	4	4	4
37 Manual high speed	Day	CO2 < 700ppm	RH > 90% or dRH/dt >12	Off	-	High RH day	Fan speed high		4	4	4 (0 () 4	24	0) 4	1	4	4	4
38 Manual high speed	Night	CO2 < 700ppm	RH > 90% or dRH/dt >12	Off		High RH night	Fan speed low		4 4	4	4 (0 () 4	24) 4	1	4	4	4
39 Valve cycle day	Day	-	-	On		Manual High Speed	Fan speed high		4 4	4	4 (0 () 4	24) 4	1	4	4	4
40 Cooking	Day	-	-	On		Manual High Speed	Fan speed high		4 4	4	4 (0 () 4	24	0	4	1	4	4	4
CO2 Overrides RH																				
																				+