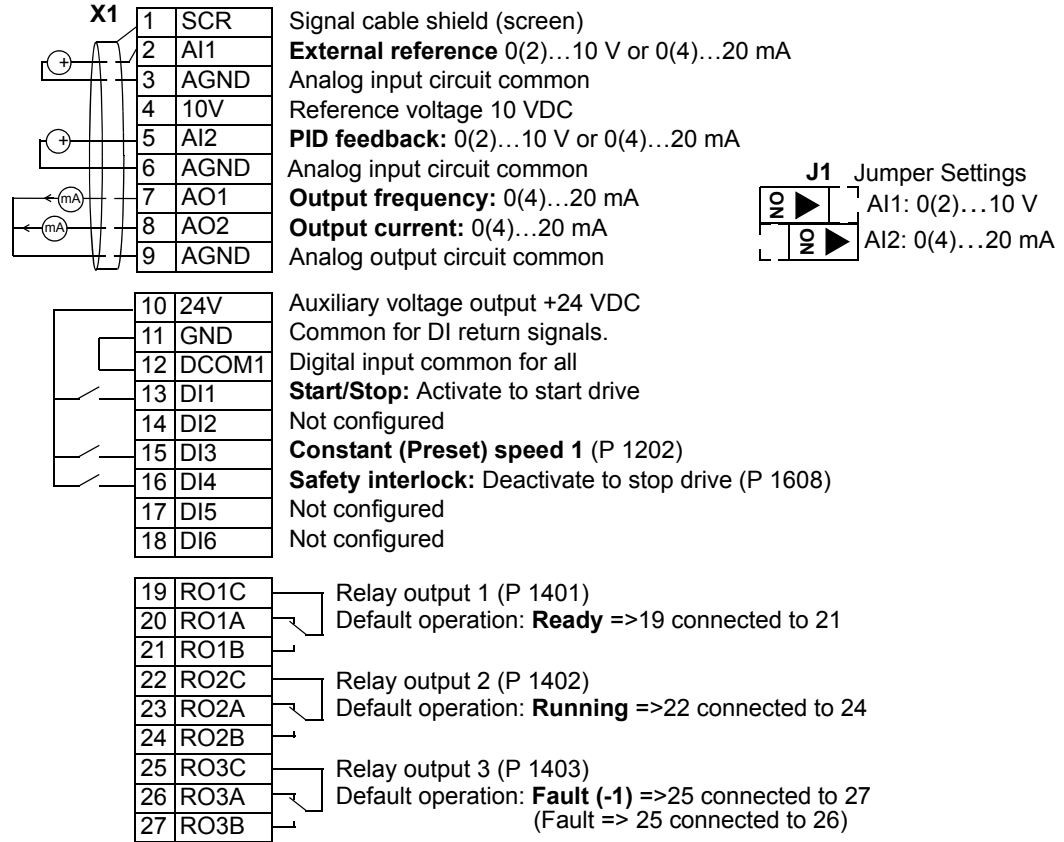


### HVAC Default

This macro provides the factory default parameter settings for the AYK550-UH. Factory defaults can be restored at any time by setting parameter 9902 to 1. The diagram below shows typical wiring using this macro. When using direct speed reference in AUTO mode or process PID, see "General Considerations" on page 16.



Parameters Changed Relative to HVAC Default			
Parameter	Value	Parameter	Value
None (Default macro)			

**Note!** YORK Drives are pre-configured using the "HVAC" default macro. Changing user macros may require changes to factory control wiring.

**Note!** To program critical skip frequencies to eliminate mechanical "system" resonance and vibrations, see Parameter Group 25.



## YORK Defaults

<b>GROUP 34 PANEL DISPLAY</b>		<b>GROUP 41 PROCESS PID SET 2</b>		<b>GROUP 81 PFC CONTROL</b>	
3401 Signal1 Param	Output Freq	4101 Gain	2.5	8103 Reference Step 1	0.0%
3402 Signal1 Min	0.0 Hz	4102 Integration Time	3.0 s	8104 Reference Step 2	0.0%
3403 Signal1 Max	500.0 Hz	4103 Derivation Time	0.0 S	8105 Reference Step 3	0.0%
3404 Output1 Dsp Form	+0.0%	4104 PID Deriv Filter	1.0 S	8109 Start Freq 1	60.0 Hz
3405 Output1 Unit	%	4105 Error Value Inv	No	8110 Start Freq 2	60.0 Hz
3406 Output1 Min	0.0%	4106 Units	%	8111 Start Freq 3	60.0 Hz
3407 Output1 Max	833.3%	4107 Unit Scale	0.0%	8112 Low Freq 1	30.0 Hz
3408 Signal2 Param	Current	4108 % Value	0.0%	8113 Low Freq 2	30.0 Hz
3409 Signal2 Min	0.0 A	4109 100% Value	100.0%	8114 Low Freq 3	30.0 Hz
3410 Signal2 Max	1.1* A	4110 Set Point Set	Keypad	8115 Aux Mot Start D	5.0 s
3411 Output2 Dsp Form	+0.0	4111 Internal Setpnt	40.0%	8116 Aux Mot Stop D	3.0 s
3412 Output2 Unit	A	4112 Setpoint Min	0.0%	8117 Nr Of Aux Mot	1
3413 Output2 Min	0.0 A	4113 Setpoint Max	100.0%	8118 Autochnng Interv	Not Sel
3414 Output2 Max	1.1* A	4114 Fbk Sel	Act1	8119 Autochnng Level	50.0%
3415 Signal3 Param	AI 1	4115 Fbk Multiplier	0.000	8120 Interlocks	D14
3416 Signal3 Min	0.0%	4116 Act1 Input	AI2	8121 Reg Bypass Ctrl	No
3417 Signal3 Max	100.0%	4117 Act2 Input	0%	8122 PFC Start Delay	0.50 s
3418 Output3 Dsp Form	+0.0	4118 Act1 Minimum	0%	8123 PFC Enable	Not Sel
3419 Output3 Unit	mA	4119 Act1 Maximum	100%	8124 Acc in Aux Stop	Not Sel
3420 Output3 Min	0.0 mA	4120 Act2 Minimum	0%	8125 Dec in Aux Start	Not Sel
3421 Output3 Max	20.0 mA	4121 Act2 Maximum	100%	8126 Timed Autochnng	Not Sel
		4122 Sleep Selection	Not Sel	8127 Motors	2
		4123 PID Sleep Level	0.0 Hz		
		4124 PID Sleep Delay	60.0 s		
		4125 Wake-Up Dev	0.0%		
		4126 Wake-Up Delay	0.50 s		
<b>GROUP 35 MOTOR TEMP MEAS</b>		<b>GROUP 42 EXT/TRIM PID</b>			
3501 Sensor Type	None	4201 Gain	1.0		
3502 Input Selection	AI1	4202 Integration Time	60.0 s		
3503 Alarm Limit	0	4203 Derivation Time	0.0 s		
3504 Fault Limit	0	4204 PID Deriv Time	1.0 s		
		4205 Error Value Inv	No		
		4206 Units	%		
		4207 Unit Scale	1		
		4208 9% Value	0.0%		
		4209 100% Value	100.0%		
		4210 Set Point Set	AI1		
		4211 Internal Setpnt	40.0%		
		4212 Setpoint Min	0.0%		
		4213 Setpoint Max	100.0%		
		4214 Fbk Sel	Act1		
		4215 Fbk Multiplier	0.000		
		4216 Act1 Input	AI2		
		4217 Act2 Input	AI2		
		4218 Act1 Minimum	0%		
		4219 Act1 Maximum	100%		
		4220 Act2 Minimum	0%		
		4221 Act2 Maximum	100%		
		4222 Activate	Not Sel		
		4229 Offset	0.0%		
		4230 Trim Mode	Not Sel		
		4231 Trim Scale	100.0%		
		4232 Correction Src	PID2ref		
<b>GROUP 36 TIMED FUNCTIONS</b>		<b>GROUP 51 EXT COMM MODULE</b>			
3601 Timers Enable	Not Sel	5101 FBA Type	Not Defined		
3602 Start Time 1	12:00:00 AM	5192 FBA Par 2...26	0		
3603 Stop Time 1	12:00:00 AM	5127 FBA Par Refresh	Done		
3604 Start Day 1	Monday	5128 FILE CPI FW Rev	0000 hex		
3605 Stop Day 1	Monday	5129 FILE Config ID	0000 hex		
3606 Start Time 2	12:00:00 AM	5130 FILE Config Rev	0000 hex		
3607 Stop Time 2	12:00:00 AM	5131 FBA Status	Idle		
3608 Start Day 2	Monday	5132 FBA CPIFW Rev	0000 hex		
3609 Stop Day 2	Monday	5133 FBA Appl FW Rev	0000 hex		
3610 Start Time 3	12:00:00 AM				
3611 Stop Time 3	12:00:00 AM				
3612 Start Day 3	Monday				
3613 Stop Day 3	Monday				
3614 Start Time 4	12:00:00 AM				
3615 Stop Time 4	12:00:00 AM				
3616 Start Day 4	Monday				
3617 Stop Day 4	Monday				
3622 Boost Sel	Not Sel				
3623 Boost Time	00:00:00				
3626 Timer 1 Src	Not Sel				
3627 Timer 2 Src	Not Sel				
3628 Timer 3 Src	Not Sel				
3629 Timer 3 Src	Not Sel				
		<b>GROUP 52 PANEL COMM</b>			
		5201 Station ID	1		
		5202 Baud Rate	9.6 kb/s		
		5203 Parity	8N1		
		5204 OK Messages	0		
		5205 Parity Errors	0		
		5206 Frame Errors	0		
		5207 Buffer Overruns	0		
		5208 CRC Errors	0		
<b>GROUP 40 PROCESS PID SET 1</b>		<b>GROUP 53 EFB PROTOCOL</b>			
4001 Gain	2.5	5301 EFB Protocol ID	0000 hex		
4002 Integration Time	3.0 s	5302 EFB Station ID	1		
4003 Derivation Time	0.0 s	5303 EFB Baud Rate	9.6 kb/s		
4004 PID Derivation Filter	1.0 s	5304 EFB Parity	8N1		
4005 Error Value Inv	No	5305 EFB Ctrl Profile	YORK Drives		
4006 Units	%	5306 EFB OK Messages	0		
4007 Unit Scale	1	5307 EFB CRC Errors	0		
4008 0% Value	0.0%	5308 EFB UART Errors	0		
4009 100% Vluce	100.0%	5309 EFB Status	Idle		
4010 Set Point Sel	Keypad	5310 EFB Par 10-20	0		
4011 Internal Setpnt	40.0%				
4012 Setpoint Min	0.0%				
4013 Setpoint Max	100.0%				
4014 Fbk Sel	Act1				
4015 Fbk Multiplier	0.000				
4016 Act1 Input	AI2				
4017 Act2 Input	AI2				
4018 Act1 Minimum	0%				
4019 Act1 Maximum	100%				
4020 Act2 Minimum	0%				
4021 Act2 Maximum	100%				
4022 Sleep Selection	Not Sel				
4023 PID Sleep Level	0.0 Hz				
4024 PID Sleep Delay	60.0 s				
4025 Wake-Up Dev	0.0%				
4026 Wake-Up Delay	0.50 s				
4027 PID Param Set	Set 1				