

Systems Integration

ABB ACH 550 Variable Frequency Drive: Application 2734, ACH 550

Table 1. Point Database for Application 2734, ACH 550.

Point Number	Point Type	Subpoint Name	Factory Default (SI Units)	Engr. Units (SI Units)	Slope (SI Units)	Intercept (SI Units)	On Text	Off Text
01	LAO	CTLR ADDRESS	99	–	1	0	–	–
02	LAO	APPLICATION	2734	–	1	–	–	–
{03}	LAI	FREQ OUTPUT	0	Hz	0.1	0	–	–
{04}	LAI	PCT OUTPUT	0	PCT	0.1	0	–	–
{05}	LAI	SPEED	0	RPM	1	0	–	–
{06}	LAI	CURRENT	0	A	0.1	–	–	–
{07}	LAI	TORQUE	0	PCT	0.1	-200	–	–
{08}	LAI	POWER	0 (0)	HP (KW)	0.134 (0.1)	0 (0)	–	–
{09}	LAI	DRIVE TEMP	77 (-25)	DEG F (DEG C)	0.18 (-0.1)	32 (0)	–	–
{10}	LAI	DRIVE KWH	0	KWH	1	–	–	–
{11}	LAI	DRIVE MWH	0	MWH	1	–	–	–
{12}	LAI	RUN TIME	0	HRS	1	–	–	–
{13}	LAI	DC BUS VOLT	0	V	1	–	–	–
{14}	LAI	OUTPUT VOLT	0	V	1	–	–	–
{15}	LAI	PRC PID FBCK	0	PCT	0.1	–	–	–
{16}	LAI	PRC PID DEV	0	PCT	0.1	–	–	–

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Table 1. Point Database for Application 2734, ACH 550. (continued)

{17}	LAI	MOTOR TEMP	77 (-25)	DEG F (DEG C)	1.8 (-1)	32 (0)	-	-
{18}	LAI	MREV COUNTER	0	MREV	1	0	-	-
20	LAO	OVRD TIME	1	hrs	1	0	-	-
{21}	LDI	FWD.REV	FWD	-	1	0	REV	FWD
{22}	LDO	CMD FWD.REV	FWD	-	1	0	REV	FWD
{23}	LDI	STOP.RUN	STOP	-	1	0	RUN	STOP
{24}	LDO	CMD STP.STRT	STOP	-	1	0	RUN	STOP
{25}	LDI	EXT1.2 ACT	EXT1	-	1	0	EXT2	EXT1
{26}	LDO	EXT1.2 CMD	EXT1	-	1	0	EXT2	EXT1
{27}	LDI	DRIVE READY	NOTRDY	-	1	0	READY	NOTRDY
{28}	LDI	AT SETPOINT	NO	-	1	0	YES	NO
{29}	LDO	DAY.NIGHT	DAY	-	1	0	NIGHT	DAY
30	LAO	CURRENT LIM	0	A	0.1	0	-	-
31	LAO	ACCEL TIME 1	300	sec	0.1	0	-	-
32	LAO	DECEL TIME 1	300	sec	0.1	0	-	-
{33}	LDI	HANDAUTO ACT	AUTO	-	1	0	HAND	AUTO
{34}	LDI	ENA.DIS ACT	DISABL	-	1	0	ENABLE	DISABL
{35}	LDO	ENA.DIS CMD	DISABL	-	1	0	ENABLE	DISABL
{36}	LDI	FLN LOC ACT	AUTO	-	1	0	FLN	AUTO
{37}	LDI	CTL SRC	NO	-	1	0	YES	NO
{38}	LDI	FLN REF1 SRC	NO	-	1	0	YES	NO
{39}	LDI	FLN REF2 SRC	NO	-	1	0	YES	NO
{40}	LDO	RO 1 COMMAND	OFF	-	1	0	ON	OFF
{41}	LDO	RO 2 COMMAND	OFF	-	1	0	ON	OFF

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Table 1. Point Database for Application 2734, ACH 550. (continued)

{42}	LDO	RO 3 COMMAND	OFF	–	1	0	ON	OFF
{43}	LDO	RO 4 COMMAND	OFF	–	1	0	ON	OFF
{44}	LDO	RO 5 COMMAND	OFF	–	1	0	ON	OFF
{45}	LDO	RO 6 COMMAND	OFF	–	1	0	ON	OFF
{46}	LAO	AO 1 COMMAND	PCT	PCT	0.1	0	–	–
{47}	LAO	AO 1 COMMAND	PCT	PCT	0.1	0	–	–
48	LDO	RST RUN TIME	NO	–	1	0	RESET	NO
49	LDO	RESET KWH	NO	–	1	0	RESET	NO
50	LAO	PRC PID GAIN	10	PCT	0.1	0	–	–
51	LAO	PRC PID ITIM	600	SEC	0.1	0	–	–
52	LAO	PRC PID DTIM	0	SEC	0.1	0	–	–
53	LAO	PRC PID DFIL	10	SEC	0.1	0	–	–
54	LDO	PRC PID SEL	SET1	–	1	0	SET2	SET1
55	LAO	EXT PID GAIN	10	PCT	0.1	0	–	–
56	LAO	EXT PID ITIM	600	SEC	0.1	0	–	–
57	LAO	EXT PID DTIM	0	SEC	0.1	0	–	–
58	LAO	EXT PID DFIL	10	SEC	0.1	0	–	–
59	LDO	LOCK PANEL	UNLOCK	–	1	0	LOCK	UNLOCK
{60}	LAO	INPUT REF1	0	PCT	0.1	0	–	–
{61}	LAO	INPUT REF2	0	PCT	0.1	0	–	–
{62}	LAO	EXT PID STPT	0	PCT	0.1	0	–	–

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Table 1. Point Database for Application 2734, ACH 550. (continued)

{63}	LAI	EXT PID FBCK	0	PCT	0.1	0	-	-
{64}	LAI	EXT PID DEV	0	PCT	0.1	0	-	-
66	LDO	SPD OUT MIN	0	PCT	0.1	0	-	-
67	LDO	SPD OUT MAX	1000	PCT	0.1	0	-	-
{68}	LDO	FLN LOC CTL	AUTO	-	1	0	FLN	AUTO
{69}	LDO	FLN LOC REF	AUTO	-	1	0	FLN	AUTO
{70}	LDI	DI 1 ACTUAL	OFF	-	1	0	ON	OFF
{71}	LDI	DI 2 ACTUAL	OFF	-	1	0	ON	OFF
{72}	LDI	DI 3 ACTUAL	OFF	-	1	0	ON	OFF
{73}	LDI	DI 4 ACTUAL	OFF	-	1	0	ON	OFF
{74}	LDI	DI 5 ACTUAL	OFF	-	1	0	ON	OFF
{75}	LDI	DI 6 ACTUAL	OFF	-	1	0	ON	OFF
{76}	LDI	RO 1 ACTUAL	OFF	-	1	0	ON	OFF
{77}	LDI	RO 2 ACTUAL	OFF	-	1	0	ON	OFF
{78}	LDI	RO 3 ACTUAL	OFF	-	1	0	ON	OFF
{79}	LDI	RO 4 ACTUAL	OFF	-	1	0	ON	OFF
{80}	LDI	RO 5 ACTUAL	OFF	-	1	0	ON	OFF
{81}	LDI	RO 6 ACTUAL	OFF	-	1	0	ON	OFF
{82}	LAI	AI 1 ACTUAL	0	PCT	0.1	0	-	-
{83}	LAI	AI 2 ACTUAL	0	PCT	0.1	0	-	-
{84}	LAI	AO 1 ACTUAL	0	MA	0.1	0	-	-

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Table 1. Point Database for Application 2734, ACH 550. (continued)

{85}	LAI	AI 2 ACTUAL	0	MA	0.1	0	-	-
{86}	LDI	OK.ALARM	OK	-	1	0	ALARM	OK
{87}	LDI	OK.MAINT	OK	-	1	0	MAINT	OK
{88}	LAI	ALARM WORD 1	-	-	1	0	-	-
{89}	LAI	ALARM WORD 2	-	-	1	0	-	-
{90}	LAI	LAST FAULT	-	-	1	0	-	-
{91}	LAI	PREV FAULT 1	-	-	1	0	-	-
{92}	LAI	PREV FAULT 2	-	-	1	0	-	-
{93}	LDI	OK.FAULT	OK	-	1	0	FAULT	OK
{94}	LDO	RESET FAULT	NO	-	1	0	RESET	NO
{95}	LAO	MBOX PARAM	-	-	1	0	-	-
{96}	LAO	MBOX DATA	-	-	1	0	-	-
{97}	LDO	MBOX READ	DONE	-	1	0	READ	DONE
{98}	LDO	MBOX WRITE	DONE	-	1	0	WRITE	DONE
{99}	LAO	ERROR STATUS	-	-	1	0	-	-

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