



USER-1 CHANGES

PARAMETER NUMBER	PARAMETER FUNCTION	PARAMETER SETTING
9904	MOTOR CONTROL MODE	1 = VECTOR
1002	EXT-2	NOT SEL
1102	EXT-1/EXT-2 SELECT	DI-1(INV)
1106	REF 2 SELECT	AI-2
1201	CONSTANT SPEED SELECT	DI-5 (INV)
1202	CONSTANT SPEED 1	20 RPM
1401	RELAY OUT 1	19: CONSTANT FREQ. SEL
1404	RELAY 1 ON DELAY	1800 TO 3600 SECONDS
1605	USER PARAMETER SET CHANGE	DI 6
2001	MIN. SPEED ~ 12 Hz	350 RPM
2101	START MODE	1 = AUTO
2104	DC CURRENT CONTROL	1 = DC HOLD
2105	DC HOLD SPEED	100 RPM
2106	DC HOLD CURRENT	10%

CHANGES TO E-CLIPSE PARAMETERS

1616	DISPLAY ALARMS	0 = DISABLE
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SAVE AS "USER 1" @ 9902: USER 1 SAVE

USER-2 CHANGES

1001	EXT-1	NOT SEL
1002	EXT-2	DI 6
2001	MIN. SPEED	0 RPM

SAVE AS "USER 2" @ 9902: USER 2 SAVE

NOTES:

1. APPLICATION MACRO: "E-CLIPSE BYPASS" DEFAULT.
2. CONSULT USER'S MANUAL FOR I/O RATINGS.
3. REPLACE JUMPER WITH NORMALLY CLOSED SAFETY INTERLOCK CONTACT AS NEEDED.
4. COPPER WIRE RATED FOR 60°C INSULATION IF RATED LESS THAN 100A OR 75°C IF RATED 100A OR MORE MUST BE USED.
5. REFER TO USER MANUAL FOR OPERATION, CONNECTIONS AND TIGHTENING TORQUE VALUES.
6. CUSTOMER REQUIRED TO PROVIDE BRANCH CIRCUIT PROTECTION AND DISCONNECT MEANS PER NEC AND LOCAL CODE.

Rev	DC	Description	Date	App'd
A	MAM	ACH550 WIRING DIAGRAM WITH MOTOR HEAT FUNCTION	08/25/09	MAM

Based On

Project Name	ACH550 DRIVE & BYPASS E-CLIPSE BYPASS WITH MIN SPEED
Approved	M. MOERSFELDER
Checked	JMM
Prepared	MAM
Resp. Dept.	ABB Inc. SLS ENG
Date	08-03-2009
Reference number	SUBMITTAL
Document number	BVYXR0018-CC
Sheet	A
Cont.	-