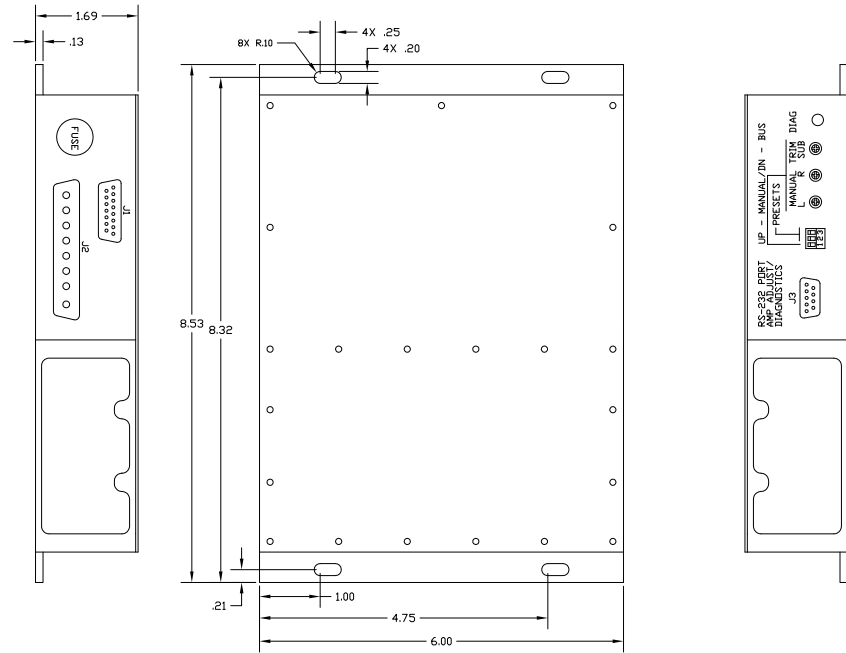


NOTES:

- THE HIGH LEVEL INPUTS ARE INTENDED FOR SIGNALS WHICH HAVE BEEN "PRE-AMPED" TO 8.5Vpp(MAX). THESE INPUTS ARE DESIGNED FOR 8.0Vpp SIGNALS FROM AN MCC1 AUDIO DISTRIBUTION MODULE. --- DO NOT USE SPEAKER LEVEL SIGNALS WITH THIS AMP. ---
- LINE LEVEL SIGNALS SHOULD BE 1.0Vpp - 2.0Vpp. 0.5Vpp SIGNALS CAN BE USED, HOWEVER THE OUTPUTS WILL NOT BE DRIVEN TO FULL POWER WITH THIS LEVEL INPUT SIGNAL. NEVER APPLY SIGNALS TO THE LINE LEVEL INPUTS AND HIGH LEVEL INPUTS AT THE SAME TIME.
- FOR 102034 SERIES SEE MCC DOCUMENT #MCC-19-203 FOR INSTALLATION/OPERATION.
- DO NOT CONNECT ANY SPEAKER OUTPUT TO GROUND OR +28V.
- FUSES - USE ONLY 5 AMP FAST BLDW.
- SPEAKER WIRES SHOULD BE TWISTED PAIR CONSTRUCTION.
- MATING CONNECTOR KIT AVAILABLE FOR J1, J2 & J3. ORDER NUMBER : 856019, 856018 & 856021.
- J3 IS A RS-232 PORT FOR CONNECTING TO A PC FOR AMPLIFIER SETUP.
- PART NUMBER OF CONEC, INC.
- PART NUMBER OF ITT CANNON.
- SETUP SOFTWARE IS USED TO SET 102034 HIGH-PASS AUDIO FILTERS ON LEFT/RIGHT AUDIO CHANNELS AND LOW-PASS FILTER ON SUB-WOOFER CHANNEL. THE CUTOFF FREQUENCY RANGE FOR HPF & LPF IS 100HZ, 120HZ, 140HZ, 160HZ, 180HZ, 200HZ, 220HZ OR 240HZ. HIGH-PASS AND LOW-PASS FILTERS HAVE -18dB/OCTAVE ROLLOFF. THE 102034-4 IS SHIPPED WITH THE FOLLOWING SETTINGS:  
RIGHT AND LEFT TRIMS = 17.1DB, SUB TRIM = 7.2DB, BASS FILTER = 1DB AT 250HZ, TREBLE FILTER = 5DB AT 12KHZ  
HIGH PASS FILTER = 140HZ, LOW PASS FILTER = 160HZ, DEFAULT VOLUME = 18.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	DRAWN
8L, 7D, 4A	A	ADDED -2 AND -3 AMPLIFIER.	10/27/2008	CAS
7D	B	CHANGED FUSE SIZE FROM 6 AMP.	10/05/2009	CAS
6C, 4A	C	ADDED -4 AMPLIFIER AND NOTE 12.	11/04/2010	GBE
1A, 1B	D	CONNECTORS CALLED OUT OPPOSITE SCREWS/JACKPOSTS. ADDED SCREWS/JACKPOSTS TO J2. PRODUCTION ARTICLES COMPLY.	9/04/2012	CAS



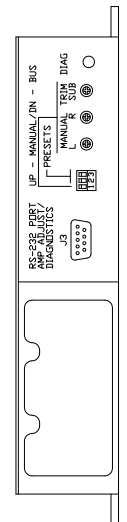
- ① 3 CHANNEL AMP
- ② 3 CHANNEL AMP
- ③ 3 CHANNEL AMP
- ④ 3 CHANNEL AMP

DIAGNOSTIC LED

A DIAGNOSTIC LED HAS BEEN INCLUDED TO HELP WITH THE INSTALLATION/ADJUSTMENT OF THIS AMPLIFIER.

LED OFF: NORMAL OPERATION  
LED BLINKING: CLIPPING IS OCCURRING IN THE OUTPUT SECTION.  
LED ON SOLID: WIRING ERROR OR APPROACHING THERMAL LIMIT.

\* HIGH LEVEL INPUTS ARE DESIGNED TO ACCEPT "PRE-AMPED" AUDIO SIGNALS FROM AN MCC1 AUDIO MIX/DISTRIBUTION MODULE.  
DO NOT CONNECT SPEAKER LEVEL SIGNALS TO THIS AMPLIFIER.



WIRE DESCRIPTION - J3		
CONNECTOR DESCRIPTION	MATING CONNECTOR	
DELAMP CONNECTOR	DELAMP CONNECTOR	
202418-2 FEMALE JACKPOST	202419-21 MALE SCREWLOCK	
1 NC	N/A	
2 RS-232 TX	NON-ISOLATED AMP TX	
3 RS-232 RX	NON-ISOLATED AMP RX	
4 GND	GND	
5 NC	N/A	
6 GND	GND	
7 NC	N/A	
8 NC	N/A	
9 NC	N/A	

WIRE DESCRIPTION - J2		
CONNECTOR DESCRIPTION	MATING CONNECTOR	
202418-2 FEMALE JACKPOST	202419-21 MALE SCREWLOCK	
1 NC	N/A	
2 VCC	DC SUPPLY VOLTAGE	
3 GND	DC RETURN	
4 SPEAKER SUB +	SPEAKER LEVEL AUDIO OUTPUT	
5 SPEAKER SUB -	SPEAKER LEVEL AUDIO OUTPUT	
6 SPEAKER RIGHT +	SPEAKER LEVEL AUDIO OUTPUT	
7 SPEAKER RIGHT -	SPEAKER LEVEL AUDIO OUTPUT	
8 SPEAKER LEFT +	SPEAKER LEVEL AUDIO OUTPUT	
9 SPEAKER LEFT -	SPEAKER LEVEL AUDIO OUTPUT	

WIRE DESCRIPTION - J1		
CONNECTOR DESCRIPTION	MATING CONNECTOR	
DELAMP CONNECTOR	DELAMP CONNECTOR	
202418-2 FEMALE JACKPOST	202419-21 MALE SCREWLOCK	
1 NC	N/A	
2 VOLUME DOWN INPUT	LOW GND INPUT @ 10mA	
3 VOLUME UP INPUT	LOW GND INPUT @ 10mA	
4 MUTE	GND OUTPUT @ 50mA	
5 REMOTE TURN ON	+28VDC INPUT	
6 AUDIO COMMON	AUDIO RETURN	
7 HIGH LEVEL AUDIO - LEFT	HIGH LEVEL AUDIO INPUT	
8 VOLUME STATUS BIT 2	GND OUTPUT @ 50mA	
9 VOLUME STATUS BIT 1	GND OUTPUT @ 50mA	
10 LINE LEVEL AUDIO - LEFT	GND OUTPUT @ 50mA	
11 LINE LEVEL AUDIO - RIGHT	LINE LEVEL AUDIO INPUT	
12 HIGH LEVEL AUDIO - RIGHT	HIGH LEVEL AUDIO INPUT	

MID CONTINENT CONTROLS, INC.  
6316 789-0088  
801 NORTH ROVER  
DERBY, KS 67037

AMPLIFIER - 3 CHANNEL  
HIGH POWER, DISCRETE

FINISH: ANODIZE TYPE II CLASS II, BLACK-MIL-A-0625	MATERIAL: N/A	SIZE/DRAWN: D CAS	DWG NO.: 102034	REV: D
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES	DECIMALS = .01	SCALE: 1/1	DATE: 02/27/2008	SHEET 1 OF 1