

4

3

2

1

NOTES:

1) AC LINES ARE NOT CURRENT LIMITED WITHIN THIS MODULE. AC LINE CURRENT LIMIT MUST BE PROVIDED WITH EXTERNAL BREAKERS. AC CURRENT SHOULD NOT EXCEED 15 AMPS.

2) P/N OF CONEC INC.

3) PINS 7, 8, & 9 ARE USED ONLY IF REMOTE 'TEST/RESET' PANEL IS USED.

4) FUNCTIONAL DESCRIPTION: SEE MCC-19-032.

5) TEST PER MCC-14-459.

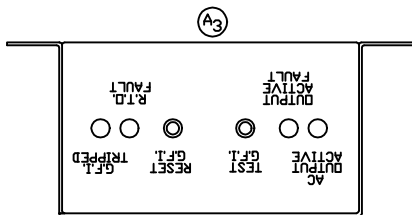
6) TYPICAL FAULT CURRENT SENSITIVITY: 3 - 10mA.

7) UNIT SHOULD BE TESTED PERIODICALLY TO INSURE PROPER OPERATION.

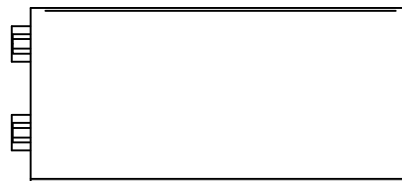
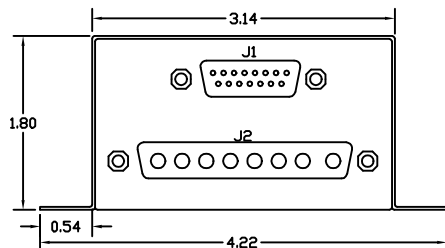
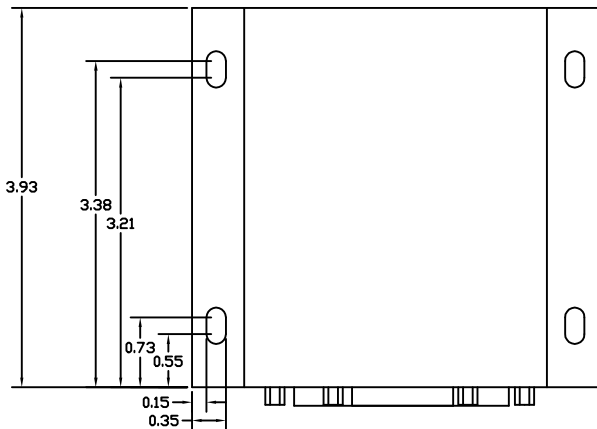
8) WEIGHT: 0.65 lbs.

9) POWER REQUIREMENTS: +28V @ 150mA TYP. (EXCLUDING LOAD ON +28V TURN ON OUTPUT, PIN 3 OF 15).

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	DRAWN
D4	A1	ADDED THE WORD "NOT" TO THE FIRST SENTENCE OF NOTE 1.		
C1	A2	CORRECTED PIN OUT ON POWER CONNECTOR FROM "1" TO "A1", --	3/2/03	DLS
C3	A3	ADDED "R.T.D. FAULT" LED		
D4	A4	"OUTPUT ACTIVE FAULT" LED		
		NOTE 9 INCREASED +28V CURRENT REQ. FROM 100mA TO 150mA.		
D4	B	ADDED ACTUAL WEIGHT TO NOTE 8. CHANGED FROM T.B.D.	4/7/03	DLS



J1 CONNECTOR DESCRIPTION		J2 CONNECTOR DESCRIPTION	
DAMA-15P - CONNECTOR		5008W8PXX56A30X - CONNECTOR	
DAMA-15S - MATING CONNECTOR		5008W8SXX99A10X - MATING CONNECTOR 132C11029X - CRIMP SOCKETS	
PIN	DESCRIPTION	PIN	DESCRIPTION
1	28VDC POWER	A1	AC LINE (OUTPUT - 15A MAX.)
2	GROUND	A2	NC
3	+28V TURN ON OUTPUT @ 250mA	A3	AC RTN (OUTPUT - 15A MAX.)
4	REMOTE TURN ON INPUT (<+28V @ 10mA)	A4	AC GND (OUTPUT)
5	GND TURN ON OUTPUT @ 50mA	A5	AC GND (INPUT)
6	REMOTE TURN ON INPUT (GND @ 10mA)	A6	AC RTN (INPUT)
7	RMT 'TEST' INPUT (GND @ 10mA)	A7	NC
8	RMT 'RESET' INPUT (GND @ 10mA)	A8	AC LINE (INPUT)
9	RMT 'TRIP' INDICATOR OUT (GND @ 50mA)		
10	NC		
11	NC		
12	NC		
13	NC		
14	NC		
15	NC		



THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND TECHNICAL MATERIAL THAT ARE THE SOLE PROPERTY OF MID CONTINENT CONTROLS, INC. THIS MATERIAL SHOULD BE TREATED AS CONFIDENTIAL. BY ITS RECEIPT AND SHOULD NOT BE SHOWN OR DISCLOSED TO ANY ORGANIZATION OR PERSON WITHOUT FIRST OBTAINING WRITTEN PERMISSION FROM MID CONTINENT CONTROLS, INC.		Mid Continent Controls, Inc. (316)789-0088 901 N. River Derby, KS 67037	
FINISH: BLACK ANODIZE			
MATERIAL: N/A		SIZE c	REV B
TOLERANCE: ±0.010" UNLESS NOTED		DRAWN DLS	DWG NO. 106072
SCALE 1 : 1		DATE 1/20/2003	SHEET 1 OF 1

4

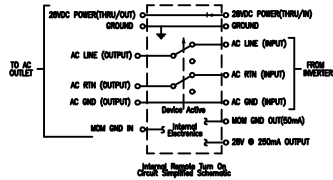
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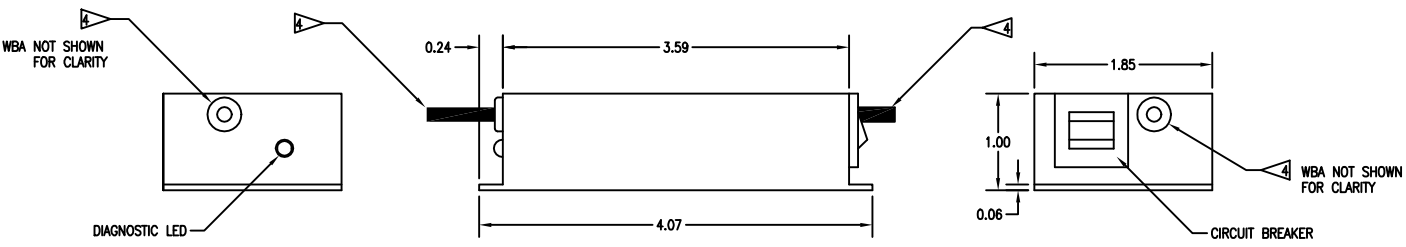
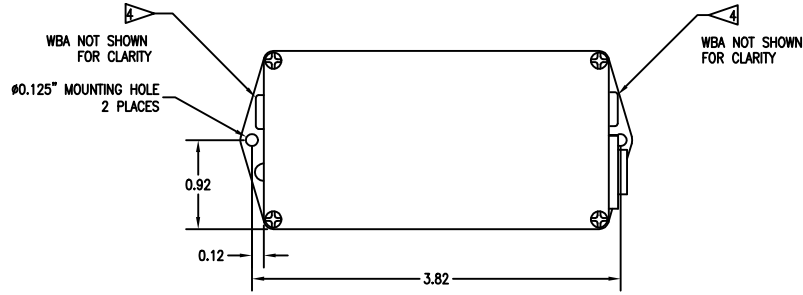
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NOTES:

- 1 REFER TO MCC-19-070 FOR OPERATIONAL INFORMATION.
- 2 THIS MODULE PROVIDES REMOTE TURN ON CAPABILITIES. REFERENCE REMOTE TURN ON SCHEMATIC.
- 3 P/N OF AMP.
- 4 WIRE BUNDLE TO EXIT APPROXIMATELY AS SHOWN. PIGTAIL LENGTH TO BE 6" ± 1". REFERENCE WIRING DESCRIPTION CHART FOR CONNECTOR PINOUTS. ALL WIRE TO BE PER MIL-W-22759. CONTROL WIRE TO BE 24AWG. AC VOLTAGE WIRE TO 18 AWG.
- 5 MATING CONNECTOR KIT AVAILABLE AS MCCI P/N: 856006-1 FOR CONNECTOR 1. MCCI P/N: 856007-1 FOR CONNECTOR 2.



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	DRAWN



- 1 AC POWER CONTROLLER - 1 AMP BREAKER
- 2 AC POWER CONTROLLER - 2 AMP BREAKER
- 3 AC POWER CONTROLLER - 3 AMP BREAKER

WIRE DESCRIPTION - TO OUTLET			
CONNECTOR #1 DESCRIPTION	MATING CONNECTOR	CONNECTOR #2 DESCRIPTION	MATING CONNECTOR
206708-1 CONNECTOR	206705-2 CONNECTOR	206966-1 BACKSHELL	206966-1 BACKSHELL
66105-4 24GA PINS	66103-4 24GA SOCKETS	66101-3 18GA PINS	66099-3 18GA SOCKETS

PIN	CIRCUIT DESCRIPTION
1	+28VDC POWER (THRU/OUT)
2	GROUND
3	MOM GND IN
4	NC
5	NC
6	NC
7	AC LINE (OUTPUT)
8	AC GND (OUTPUT)
9	AC RTN (OUTPUT)

WIRE DESCRIPTION - TO INVERTER			
CONNECTOR #2 DESCRIPTION	MATING CONNECTOR	CONNECTOR #1 DESCRIPTION	MATING CONNECTOR
206705-2 CONNECTOR	206708-1 CONNECTOR	206966-1 BACKSHELL	206966-1 BACKSHELL
66103-4 24GA PINS	66105-4 24GA SOCKETS	66099-3 18GA PINS	66101-3 18GA SOCKETS

PIN	CIRCUIT DESCRIPTION
1	+28VDC POWER (THRU/IN)
2	GROUND
3	MOM GND OUT (N.O. @ 50mA)
4	NC
5	28VDC OUT (N.O. @ 250mA)
6	NC
7	AC LINE (INPUT)
8	AC GND (INPUT)
9	AC RTN (INPUT)

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Mid Continent Controls, Inc. (316)789-0088
901 N. River, Derby, KS 67037

AC POWER CONTROLLER (110/220V W/BREAKER)

FINISH: ANODIZE TYPE II, CLASS 2, BLACK/MIL-A-8625

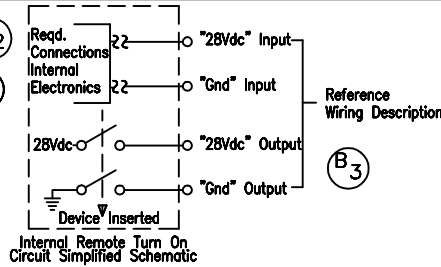
MATERIAL: N/A

TOLERANCE: ±0.010" UNLESS NOTED

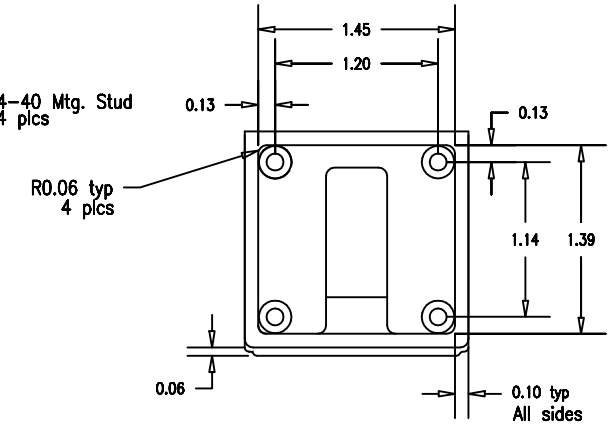
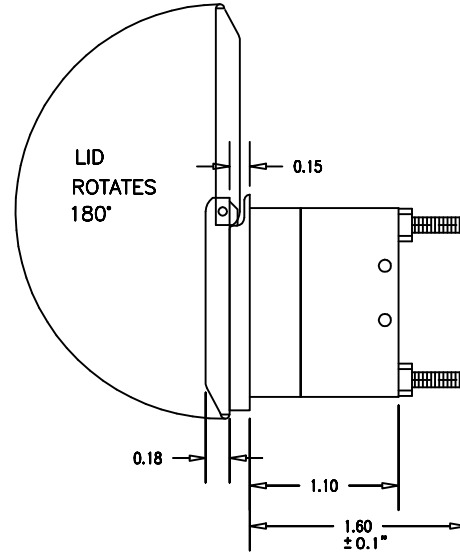
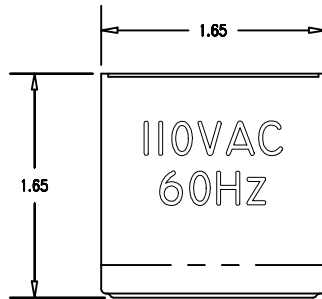
SIZE	DRAWN	DWG NO.	REV
C	RAH	106090	IR
SCALE	DATE	SHEET	
1:1	5/15/03	1 of 1	

NOTES:

1. Outlet Ratings: 125VAC 10Amps(-1); 125VAC 15Amps(-2) A₁ A₂
2. Outlet Assy. provides remote turn on capabilities: (Reference schematic) B₂
3. All wire to be per MIL-W-22759. Control wire to be 24AWG. AC voltage wire to be 18 AWG(-1) OR 14AWG(-2).
4. Lid is spring loaded to shut when not in use.
5. Outlet is North American Standard. Outlet color is black.
6. Text to be 0.25" tall.
7. Part Number of AMP. B₅
8. Test per MCC-14-549.
9. Mating connector kit available as MCCI P/N: 856007-1 FOR -1. A₃
MCCI P/N: 856002-1 FOR -2.



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	DRAWN
	A	1. DERATED -1 TO 10A 2. ADDED -2 3. ADDED NOTE 9.	12/10/2002	GBE
	B	1. CHANGED PIN OUTS PIN 4 WAS: MOM GND OUT (N.C.@50mA) PIN 5 WAS: NC 2. CHANGED NOTE 2 WAS: "Switch provides a ground output @ 50mA switching capacity." 3. Changed schematic to add "28Vdc Out" circuit. 4. Moved View location on face of drawing. 5. CHANGED NOTE 8 WAS: "Test per MCC-14-466."	02/05/03	RAH



CONNECTOR DESCRIPTION

- 206705-2 RECPT
- 206966-1 CLAMP
- 66103 PINS-24Ga WIRE
- 66099 PINS-18Ga WIRE
- 193844 PINS-14Ga WIRE

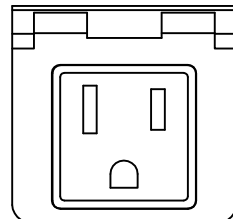
MATING CONNECTOR

- 206708-1 PLUG
- 206966-1 CLAMP
- 66105 SOCKETS-24Ga WIRE
- 66101 SOCKETS-18Ga WIRE
- 193846 SOCKETS-14Ga WIRE

WIRE DESCRIPTION

PIN	DESCRIPTION
1	+28VDC POWER
2	GROUND
3	MOM GND OUT (N.O.@50mA)
4	NC
5	28Vdc OUT (N.O.@50mA)
6	NC
7	AC LINE (INPUT)
8	AC GND (INPUT)
9	AC RTN (INPUT)

- A₁ 1 AC OUTLET ASSY - 10A
- A₂ 2 AC OUTLET ASSY - 15A



View shown looking down at bezel.
Lid removed for clarity.

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Mid Continent Controls, Inc. (316)789-0888
901 N.River, Derby, KS 67037

FINISH: per customer P.O.

AC OUTLET ASSEMBLY w/LID

MATERIAL: N/A

SIZE B	DRAWN DLS	DWG NO. 106078	REV B
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TOLERANCE: ±0.010" UNLESS NOTED

SCALE 1:1	DATE 10/6/2002	SHEET 1 OF 1
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