

Field Replacement of Current Voltage Monitor (CVM) In Constant Current Regulators and ACE Combo Boxes

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Record of Changes

Page	Rev	Description	EC No.	Checked	Approved	Date
All	Α	Released new Service Bulletin	01237	WT	WT	
	В	Changed company name to ADB		JWC	JWC	3/17/10

CVM Installation Instructions

1. Introduction

This service bulletin provides instructions for field replacement of the Current Voltage Monitor (CVM) in the ADB Constant Current Regulars as listed in Table 1.

2. Special Tools and Equipment Required

Refer to Tables 1 and 2 for the Retrofit Kit contents and tools and equipment required to install the CVM.

Table 1. Required Equipment Supplied

Retro Fit Kit Number Description 1	Where Used	Quantity ²
94A0395/1 6.6A	CCF66XXXXXX	1
94A0395/2 20A	CCF20XXXXXX	1
94A0395/3 6.6A	ACE Combo Box	1
94A0395/4 20A	ACE Combo Box	1
94A0395/5 6.6A	PPF66XXXXXX	1
94A0395/6 20A	PPF20XXXXXX	1
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Notes:

Table 2. Required Equipment Not Supplied

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Description	Part No.	
L828 CCT CCR Instruction Manual	96A0296	
L828 CCF CCR Instruction Manual	96A0288	
L828 PPF CCR Instruction Manual	96A0306	
ACE Combo Box Instruction Manual		

3. CVM Installation Instructions



WARNING: Disconnect equipment from line voltage. Failure to observe this warning may result in personal injury, death, or equipment damage.

Replacing CVM on CCR Component Plate

1. Locate the existing CVM and disconnect all electrical leads attached to the CVM. Remove CVM from the component mounting plate and remove any mounting bracket associated with the CVM. See Figure 1 to identify the existing CVM and Figure 2 to identify the new CVM.



Figure 1 Existing CVM on Mounting Bracket



Figure 2 New CVM Mounted Directly on Component Plate

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2. To install the new CVM follow instructions on drawings and Figures listed below: Drawings are found at the end of this service bulletin.

Type	Retrofit	Installation	Page
	Kit	Dwg No	
CCF66XX-XXXX	94A0395-1	94A0395-X	8
CCT20XX-XXXX	94A0395-2	94A0395-X	8
ACE Combo Box	94A0395-3	94A0395-X	7
44A6125-XXXX			
ACE Combo Box	94A0395-4	94A0395-X	7
44A6125-XXXX			
PPF66XX-XXXX	94A0395-5	94A0395-X	6
PPF20XX-XXXX	94A0395-6	94A0395-X	6

FOR A 20A CIRCUIT, MAKE SURE THE CVM HAS A HEAT SINK ON THE CURRENT SENSE RESISTORS.

MEASURE THE CURRENT THROUGH ST3 ON THE 20A STEP AND CORRECT PER TABLE :

6.6A	ST3 and ST4 on the CVM are reversed	
13.2A	The CVM is wired correctly	
26.6A	The phase of the 20A to 6.6A transformer for the CVM is reversed	





