

DCA-15-MR-010  
Passenger Train Derailment  
Philadelphia, PA  
May 12, 2015

## SIGNAL ATTACHMENT 7

Shore 98 SW Lock Relays (4) 236.102A, 105,  
106 Tests



SHORE C.I.H.  
SHELF RELAYS  
POLARS


AMTRAK  
INSTRUMENT RECORD

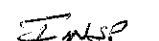
Date of Installed or Transferred	Location with designating or track number	Type or Model	Mfr	Resistance	Serial Number	Dates Tested	Date overhauled	Initial charge	Neutral						Polar				Maximum contact resistance	Local voltage	contact opening	Shop or field test	Inspector		
									Dropaway		Pickup		Working current or voltage		Pickup		Working current or voltage								
									Normal	Reverse	Normal	Reverse	Normal	Reverse	Normal	Reverse	Normal	Reverse							
	1E1FR	DP14	USS	1000	N61102	02/19/13	88	OK	3.1V	3.1V	5.7V	5.7V	6.6V	6.6V	3.4V	3.4V							F	WL	
	2E1FR	DP14	USS	1000	B96086	02/19/13	88	OK	3.2V	3.2V	5.8V	5.8V	6.7V	6.7V	3.5V	3.5V							F	WL	
	3E1FR	DP14	USS	1000	S15906	02/19/13	88	OK	3.1V	3.1V	5.7V	5.7V	6.6V	6.6V	3.4V	3.4V							F	WL	
	4E1FR	DP14	USS	1000	H92321	02/19/13	88	OK	3.1V	3.1V	5.8V	5.8V	6.7V	6.7V	3.5V	3.5V							F	WL	
	1W1FR	DP14	USS	1000	S80180	02/19/13	88	OK	3.2V	3.2V	5.9V	5.9V	6.6V	6.6V	3.5V	3.5V							F	WL	
	2W1FR	DP14	USS	1000	R8327	02/19/13	88	OK	3.2V	3.2V	5.9V	5.9V	6.6V	6.6V	3.5V	3.5V							F	WL	
	3W1FR	DP14	USS	1000	G53291	02/19/13	90	OK	3.2V	3.2V	5.8V	5.8V	6.7V	6.7V	3.6V	3.6V							F	WL	
	4W1FR	DP14	USS	1000	N55377	02/19/13	88	OK	3.1V	3.1V	5.7V	5.7V	6.7V	6.7V	3.5V	3.5V							F	WL	
	1BFR	DP14	USS	1000	H92319	02/19/13	88	OK	3.1V	3.1V	5.7V	5.7V	6.8V	6.8V	3.5V	3.5V							F	WL	

Distribution: White: File copy  
Pink: To be retained at location of test  
Yellow: To be forwarded to responsible ADE-C&S Office

  
Signature of maintainer performing tests

2/19/13  
Date

  
(Signed - Supervisor reviewing tests)

  
Title

4/11/13  
Date

\* Shop Test only  
\*\* Date indicates index registration plate verified for each plug-in relay.