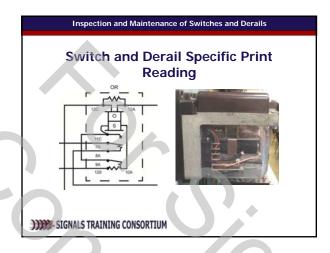
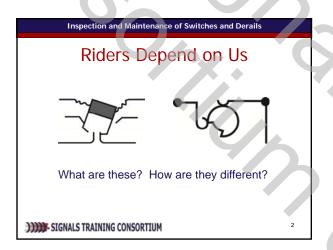
Course 202: Inspection and Maintenance of Switches and Derails Module 2: Switch and Derail Specific Print Reading





Inspection and Maintenance of Switches and Derails

Outline

- List switch and derail specific nomenclature
- List switch and derail specific relays and describe their functions
- Using a print, describe the sequence of operation for an M3 single ended switch
- Demonstrate ability to outline the sequence of operation of a single-ended switch

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Course 202: Inspection and Maintenance of Switches and Derails Module 2: Switch and Derail Specific Print Reading

Inspection and Maintenance of Switches and Derails	
Key Terms	
Activity: In your course book, circle any key terms	
you feel you need to learn better.	
Example:	
Normal Configuration	
STORAGE TRAINING CONCORTIUM	
SIGNALS TRAINING CONSORTIUM 4	
0.7	
Inspection and Maintenance of Switches and Derails	
Recall	>
/ X .	
Thinking back to previous knowledge or course	\(\lambda\)
work, what do you already know about print reading for switches?	
Todaling for Crimonoci	
70	
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Jagge Stelland Individue Consonitori	
	90 //6
Inspection and Maintenance of Switches and Derails	(V) '/)
Overview	
Switch & Derail Prints Indicate:	
 How they are controlled How they operate	
Electrical configuration	
Nomenclature	
• Relays	
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Course 202: Inspection and Maintenance of Switches and Derails Module 2: Switch and Derail Specific Print Reading

Inspection and Maintenance of Switches and Derails					
	Nomencla	ture			
1	Acronyms to	Know			
C = Correspondence	P = Position or Repeater	W = Switch related component			
K = Indicator	O = Overload	Z = Call or Request			
L = Lock	R = Relay or Reve	rse			
N = Normal	S = Stick (relay)				
>>>>- SIGNALS TRAINING	G CONSORTIUM	7			

Inspection and Maintenance of Switches and Derails Classroom Activity				
Switch operating mechanism or lock valve	W			
Relay, controller or contactor controlling both normal and reverse operations of a switch or an electric switch lock	WR			
Relay, controller or contactor controlling the normal operation of a switch or an	WR			
electric switch lock	NWR .			
Relay, controller or contactor controlling the reverse operation of a switch or an		/		
electric switch lock	RWR			
Relay repeating WR	WRPR			
Relay repeating position of switch	WPR	/ /		
Relay repeating normal position of switch or normal position of WPR	NWPR			
Relay repeating reverse position of switch or normal position of WPR	RWPR	/	<u> </u>	
Indicator of the positions of a switch	WK		A	
Switch and derail lock operating mechanism on a switch	WL			
Relay repeating normal position of a switch lock	NWLPR			
Relay repeating normal position of a dual-control lever	NJPR	1000	/ AMA I	
Relay repeating reverse position of dual-control lever	RJPR			
Indicator of the normal position of a switch	NWK	-		
Indicator of the reverse position of a switch	RWK			
Indicator of the block condition in approach to a switch	WAK			
Relay repeating reverse position of a switch lock	RWLPR		W / / / / / / / / / / / / / / / / / / /	
Normal Switch Correspondence Relay	NWCR			
Reverse Switch Correspondence Relay	RWCR			
Spring Switch	SS			
Lock Relay	LR			
Reverse Switch Request Relay	RWZR			
Normal Switch Request Relay	NWZR			
Restore to Normal Request Relay	R-NWZR			

Time For a Clas				
	Abbre	Abbreviation		
Item*	AREMA*	Your Location	Notes	
Normal Control of Switch Operating Mechanism	NW	Loodiion		
Overload Relay	OL			
Reverse Control of Switch Operating Mechanism	RW			
Individual Return Wire to 10 Switch Operating Mechanism	N10W			
Positive Control of WR	WR			
Negative Control of 10WR	N10WR			
Positive Control of WNR	WNR			
Positive Control of WRR	WRR			
Positive Control of WK	WK			
Negative Control of 10WK	N10WK			
Positive Control of NWK	NWK			
Positive Control of RWK	RWK			
Positive Control of WAK	WA			
Positive Control of WL	WI			