

## Auto Reclose Relay Testing Checklist

<b>Consumer</b>		<b>Location</b>	
<b>Serial</b>		<b>Make &amp; Type</b>	
<b>Station</b>		<b>Bay</b>	

### Test Equipment Detail

**Type/Model:**

**Calibration:**

Relay Information	Remarks
Relay Type	
Model Number	
Serial Number	
Rated Current $I_n$	
Auxiliary Voltage $U_{Aux}$	
VT Ratio	

### Relay Checks

	Yes	No	Remarks
Visual Inspection			
Relay Damaged?			
Is the rating information for installation correct?			
Case earth installed?			
Test block connections checked?			

### Relay Energized

	Yes	No	Remarks
Auxiliary Supply - Measured			
Relay healthy LED ( <b>Green</b> ) working?			
Alarm LED ( <b>Orange</b> ) working?			
Trip LED ( <b>Red</b> ) working?			

Contractor	Site Engineer	Testing Engineer
<b>Name:</b>	<b>Name:</b>	<b>Name:</b>
<b>Designation:</b>	<b>Designation:</b>	<b>Designation:</b>
<b>Sign:</b>	<b>Sign:</b>	<b>Sign:</b>
<b>Date:</b>	<b>Date:</b>	<b>Date:</b>

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### Secondary Injection Test

#### Measurements: at 25%

		Applied Value	Expected	Measured at Relay
<b>Voltage</b>	U1			
	U2			
	U3			
	U4			

#### Measurements: at 50%

		Applied Value	Expected	Measured at Relay
<b>Voltage</b>	U1			
	U2			
	U3			
	U4			

#### Measurements: at 100%

		Applied Value	Expected	Measured at Relay
<b>Voltage</b>	U1			
	U2			
	U3			
	U4			

<b>Contractor</b>	<b>Site Engineer</b>	<b>Testing Engineer</b>
<b>Name:</b>	<b>Name:</b>	<b>Name:</b>
<b>Designation:</b>	<b>Designation:</b>	<b>Designation:</b>
<b>Sign:</b>	<b>Sign:</b>	<b>Sign:</b>
<b>Date:</b>	<b>Date:</b>	<b>Date:</b>

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### 1). Synchro-check Voltage Check

SET VALUE $\Delta U$ % (V)	APPLIED VOLTAGE U1	MEASURED VOLTAGE U2	
		PICK-UP	DROP-OFF

### 2). Synchro-Check -Frequency Check

PRE-SET	PICK-UP	LIMITS

### 3). Synchro- Phase Angle Check

SET VALUE	ANGLE DIFFERENCE	
	PICK-UP	LIMITS

Contractor	Site Engineer	Testing Engineer
Name:	Name:	Name:
Designation:	Designation:	Designation:
Sign:	Sign:	Sign:
Date:	Date:	Date:

**Auto Reclose Relay Testing Checklist****Dead Time Measurement**

<b>Set Time (Sec)</b>	<b>Measured Time (Sec)</b>

**Reclaim Time Measurement**

<b>Set Time (Sec)</b>	<b>Measured Time (Sec)</b>

AR shots tested as per approved settings.  
AR tested with synchronization.

**Event Record & Oscillography Fault Recording Checked:**  
**All Binary Input, Output & LEDs Tested:**  
**Relay Time & Date Configured:**

<b>Contractor</b>	<b>Site Engineer</b>	<b>Testing Engineer</b>
<b>Name:</b>	<b>Name:</b>	<b>Name:</b>
<b>Designation:</b>	<b>Designation:</b>	<b>Designation:</b>
<b>Sign:</b>	<b>Sign:</b>	<b>Sign:</b>
<b>Date:</b>	<b>Date:</b>	<b>Date:</b>