



# *TR5 Test Manual*

## *High Speed Tripping Relay*

relay monitoring systems pty ltd

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**Advanced Protection Devices**





# TR5 Test Manual

## Links to Other Documents

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Technical Bulletin: [http://www.rmspl.com.au/handbook/alpha\\_tr.pdf](http://www.rmspl.com.au/handbook/alpha_tr.pdf)

## Test Certification

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This is to certify that the equipment detailed below has been manufactured, inspected & tested in accordance with a Quality System which complies with the requirements of AS/NZS ISO9001-2008.

Job Number	Serial Number

Only valid when the "Passed" box has been signed off by Production Personnel.

## Version Control

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Issue	Date	Summary of changes
A	17/10/2013	Initial issue.

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Author	Checked	PDF file created	Registered & Released
MVL	SG	SG	



### 1.0 ORDER CODE DEFINITION

The order code definition is described below and highlighted for the products manufactured with the Job Number shown on page 1.

TR5 - <input type="text"/>				
Nominal Operate Voltage	<b>B</b>		32 V DC	
	<b>C</b>		48 V DC	
	<b>D</b>		110 V DC	
	<b>E</b>		125 V DC	
	<b>F</b>		220 V DC	
	<b>G</b>		240 V DC	
	<b>H</b>		250 V DC	
	Contact Configuration	<b>N</b>		5 Make + 0 Break
<b>P</b>			4 Make + 1 Break	
<b>Q</b>			3 Make + 2 Break	
<b>R</b>			2 Make + 3 Break	
<b>S</b>			1 Make + 4 Break	
Contact Function	<b>1</b>		Self-reset contacts	
	<b>2</b>		Latching contacts	Hand reset
	<b>3</b>		Latching contacts	Electrical reset
	<b>4</b>		Latching contacts	Hand and electrical reset
Flag Function	<b>1</b>		Armature flag	Flag resets with contacts
	<b>2</b>		Hand reset flag	Flag resets with front panel reset
	<b>3</b>		Both flags fitted	Refer order codes 1 and 2
	<b>4</b>		No flags fitted	
	<b>5</b>		Reverse acting armature flag	Flag visible with armature reset
	<b>6</b>		Reverse acting hand reset flag	Flag visible with contacts reset
Options	<b>-</b>		No options required	
	<b>C</b>		Operation counter	
	<b>G</b>		Gold plated contacts	
	<b>L</b>		Coil operation LED	
	<b>S</b>		Electrical reset inhibit switch	

### 2.0 VERIFICATION

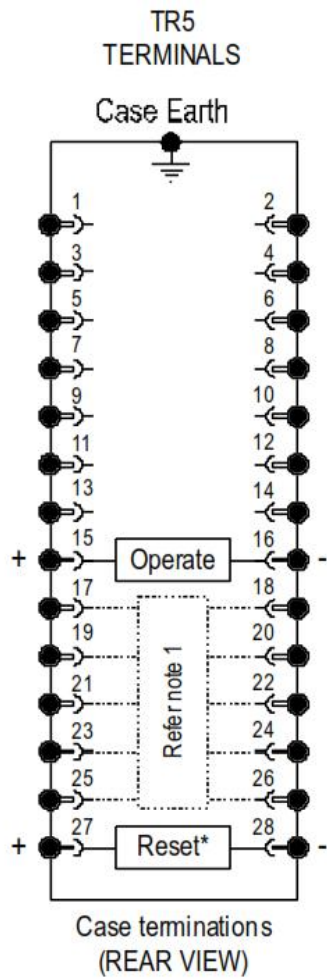
This is to certify that the equipment has been manufactured, inspected and tested in accordance with a Quality System, which complies with the requirements of ISO9001: 2008.

Testing has been carried out against the declared performance specification 195-100-800 and in accordance with the relevant International (IEC) Standards.

PASSED BY	DATE



**3.0 CONNECTION DIAGRAM**



Contact Configuration		TR5 Case Terminal Number Pairs				
		17-18	19-20	21-22	23-24	25-26
N	5M+0B	M	M	M	M	M
P	4M+1B	M	M	M	M	B
Q	3M+2B	B	M	M	M	B
R	2M+3B	B	M	M	B	B
S	1M+4B	B	B	M	B	B