



AR12 Test Manual

Auxiliary Relay

relay monitoring systems Pty Ltd

Advanced Protection Devices





AR12 Test Manual

Links to Other Documents

Technical Bulletin: http://www.rmspl.com.au/handbook/alpha_ar.pdf

Test Certification

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

| Issue | Date | Summary of changes |
|-------|------------|--------------------|
| A | 14/10/2013 | 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.

| AR12 - <input type="text"/> | | | |
|-----------------------------|----------|---------------------------------|------------------------------------|
| Nominal Operate Voltage | B | 32 V DC | |
| | C | 48 V DC | |
| | D | 110 V DC | |
| | E | 125 V DC | |
| | F | 220 V DC | |
| | G | 240 V DC | |
| | H | 250 V DC | |
| | L | 110 V AC | |
| | P | 240 V AC | |
| Contact Configuration | A | 12 Make + 0 Break | |
| | B | 11 Make + 1 Break | |
| | C | 10 Make + 2 Break | |
| | D | 9 Make + 3 Break | |
| | E | 8 Make + 4 Break | |
| | F | 7 Make + 5 Break | |
| | G | 6 Make + 6 Break | |
| Contact Function | 1 | Self-reset contacts | |
| | 2 | Latching contacts | Hand reset |
| | 3 | Latching contacts | Electrical reset |
| | 4 | Latching contacts | Hand and electrical reset |
| Flag Function | 1 | Armature flag | Flag resets with contacts |
| | 2 | Hand reset flag | Flag resets with front panel reset |
| | 3 | Both flags fitted | Refer order codes 1 and 2 |
| | 4 | No flags fitted | |
| | 5 | Reverse acting armature flag | Flag visible with armature reset |
| | 6 | Reverse acting hand reset flag | Flag visible with contacts reset |
| Options | - | No options required | |
| | C | Operation counter | |
| | G | Gold plated contacts | |
| | L | Coil operation LED | |
| | S | Electrical reset inhibit switch | |
| | T | Custom Text: | |

2.0 VERIFICATION

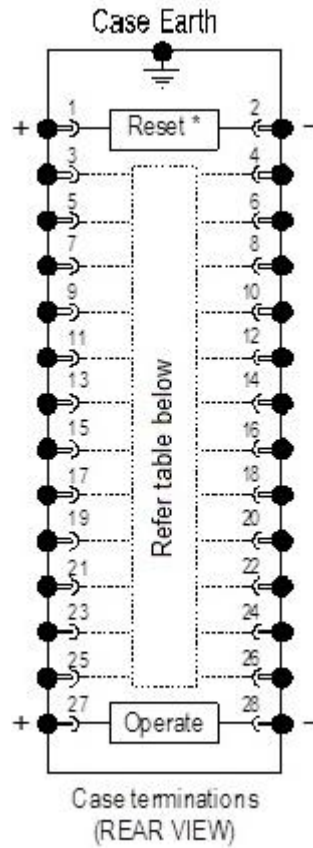
This is to certify that the equipment has been manufactured, inspected and tested in accordance with a Quality System, which complies with the requirements of ISO9001: 2008.

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 | | AR12 Case Terminal Number Pairs | | | | | | | | | | | |
|-----------------------|---------|---------------------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 |
| A | 12M+00B | M | M | M | M | M | M | M | M | M | M | M | M |
| B | 11M+01B | M | M | M | M | M | M | M | M | M | M | M | B |
| C | 10M+02B | B | M | M | M | M | M | M | M | M | M | M | B |
| D | 09M+03B | B | M | M | M | M | M | M | M | M | M | B | B |
| E | 08M+04B | B | B | M | M | M | M | M | M | M | M | B | B |
| F | 07M+05B | B | B | M | M | M | M | M | M | M | B | B | B |
| G | 06M+06B | B | B | B | M | M | M | M | M | M | B | B | B |