

smart board

INTEGRATED FILTER & SURGE PROTECTION

MODEL A12



- **MASSIVE 208,000 AMP**
- **MAXIMUM SPIKE 6080 JOULES**
- **FREE CONNECTED EQUIPMENT WARRANTY UP TO \$300,000**

THOR Technologies Pty Ltd

PO Box 95, Karrinyup
Western Australia 6921

PO Box 2047, Wellington Point
Queensland 4160

Designed & Engineered in Australia.
Made in China.

In the interest of product improvement and development THOR Technologies reserves the right at any time to modify or alter product design.



8 OUTLET BOARD



HOME THEATRE



COMPUTER



INTELLIGENT POWER CONDITIONING FILTER Dynamic Active Tracking Circuitry

3 IN 1 ISOLATION

Bank 1 = 1 outlet Bank 2 = 3 outlets Bank 3 = 4 outlets

8 OUTLETS

All in the one compact board

DATA & AERIAL PROTECTION WITH CABLE TV ADAPTOR

FIBRE OPTIC AND BROADBAND COMPATIBLE

MULTIPLE APPLICATION IDENTITY TAGS

6 YEAR FREE REPLACEMENT WARRANTY

100% AUSTRALIAN OWNED AND COMPLIANT

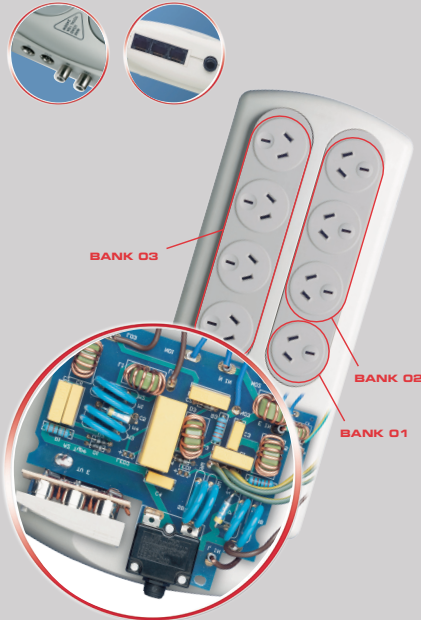


www.thortechnologies.com.au

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SPECIFICATIONS

- Supply Voltage 240/V_{AC} 50/Hz
- Maximum Current Rating 10amps/2400 W (VA)
- Clamping Voltage 275V_{AC}
- Reaction Time Less than 1 Nano Sec
- Maximum Transient Spike Impulse Current (AMPS) 208,000 amps. Equivalent to 52,000 Amps using UL1449 standard
- Maximum Energy Dissipation (Joules) 6080 Joules. Equivalent to 2050 Joules using UL1449 standard
- Protection Modes (all 8 outlets Protects on all 3 conductors) Active/Neutral, Active/Earth, Neutral/Earth
- EMI/RFI Noise Reduction Filter Type Dynamic Active Tracking™ incorporating 38 separate protection components in 3 cascading circuits
- Number of Multi-Stage Filter Banks: 3
- Number of Isolated Banks: 3
- Number of Dedicated Outlets: 4+3+1
- Total Number of Protected AC Outlets: 8
- RJ 45 Data Protection (1 in – 2 out)
- Incoming Television Aerial Protection (DC) with 1 x 'F' Type Pay TV Connection & 1 x AV/TV Coax Connection
- Earth Potential Rise Protection
- Earth leakage Range Less than 1 milli amp
- Operating conditions Indoor/AC Mains
- Operating Temperatures - 10C/+60C
- Safety Approval No Q01652
- Cable length 1.8m
- Model No A12F

POWER MANAGEMENT

Smart Board Smart Series with its unique Dynamic Active Tracking™ protection (pat. pending) strategy is without question the most comprehensive solution to defend your electronic equipment.

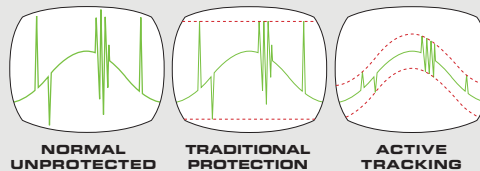
38 separate and discrete components working in both series and parallel provide a failsafe barrier against virtually all categories of electrical disturbances, so common with today's power grids.

When it comes to minimising your equipment risk, we make no wild or glossy promises. Our products do what we say they do.

The team at THOR Technologies have individually engineered each product to be the best in its class. **Best price. Best performance. Best value.**

INSIDE OUR SMART BOARD

- LED control resistors
- Toroidal coils for maximum filtration
- AV/TV protected outlets with splitter – 1 line in, 2 lines out. RJ 45 Data Protection with splitter – 1 line in, 2 lines out. For standard 75 Ohm Co-ax cables.
- Extra large metal oxide protection varistors
- Safety fuses
- Protection on all 3 conductors (Active, Neutral and Earth)
- Polyester Film Capacitors to Prevent inter-circuit interference (EMF, EMI and RFI).
- Active Tracking Decoupling Capacitors
- Safety Bleeder Resistor
- High Voltage Diodes
- Ultra Fast DC Protection Circuit
- Resettable safety 10 amp circuit breaker



THOR DYNAMIC ACTIVE TRACKING CIRCUIT™

A unique THOR bonus – this (pat. pending) protection strategy encompasses self-diagnostic and corrective circuitry. Traditional power surge protection always relies on simple surge absorbing circuitry at pre-defined points on the wave form. However, THOR Dynamic Active Tracking™ monitors the sine wave, instantaneously sensing and clamping transient spikes and surges to a safe level, regardless of where they appear on the wave form. THOR additionally filters and cleans all incoming power and through its unique 3-Bank isolation, prevents EMI and RFI pollution as well as inter-circuit back EMF – all of which are major contributors to audio-visual glitches and equipment damage.

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