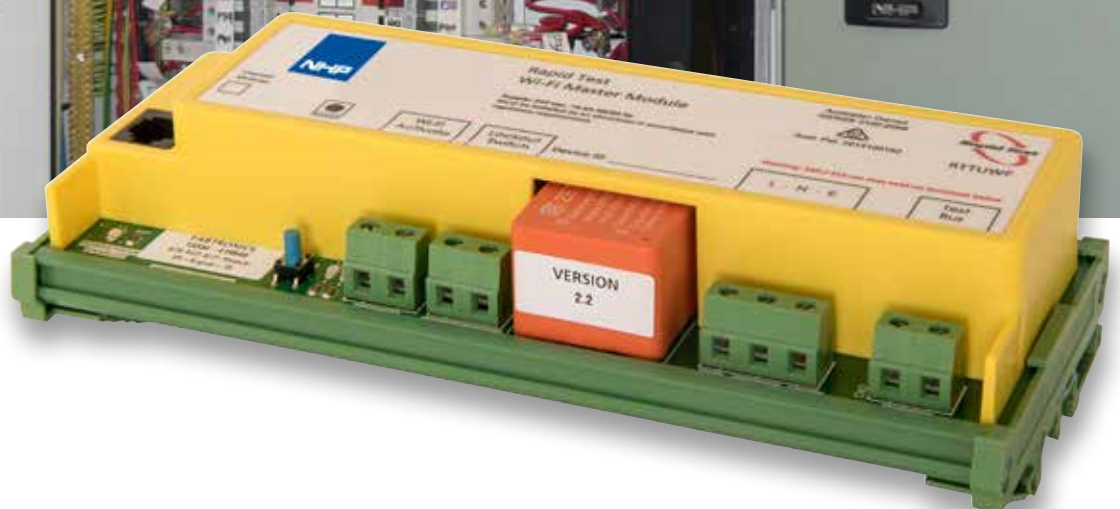# RAPID TEST YOUR RCDs

RCD testing system maximising safety and meeting compliance requirements

- Save Time
- Save Money
- Improves productivity
- Maximise Safety
- Minimise downtime
- Minimise arc flash exposure

Innovative Rapid RCD testing

What is Rapid Test:

The Rapid Test System "RTS" is a Wi-Fi based RCD testing system which allows testing of RCD's to be performed quickly and safely.

Typically, RCD's are tested either directly at the RCD exposing the electrician to the risks of live work, or at socket outlets located throughout the building which is more time consuming for a technician but with reduced risk.

RTS not only reduces risk but reduces site downtime as the RTS system completes RCD testing up to 180 times faster than traditional RCD testing methods. RTS allows RCD's to be tested with the Panelboard escutcheon closed so there is no access to live parts. All the technician needs to do at the switchboard is physically reset the RCD.

The RTS can be installed with the Wi-Fi Master Module connected to a Channel Module containing 24 testing channels (with up to 10 Channel Modules per Master in total 240 RCD's can be tested off one Master) or a combined Wi-Fi Master with 8 channels built in. Each channel is then connected in parallel to the load at the RCD. The RTS RCD testing system is very easy to retrofit or integrate into a Panelboard.

Panelboard fitted with RTS

Why test RCDs:

Functioning RCD's save lives, so it is imperative that the RCD works when they are needed most. Regular testing ensures both reliability and functionality of the RCD. The requirements for installation and maintenance of RCD's has been steadily increasing with changes to the wiring rules and implementation of harmonised Work Health and Safety "WHS" regulations. Harmonized WHS regulations have been gradually implemented state by state from 2012. These WHS regulations mandate RCD protection on all circuits in hostile environments with the following test requirements;

• Hostile – 6 month push button test, annual trip time test
• Non-Hostile – 6 month push button test, 2 yearly trip time test
• Australian Standard AS/NZS 3760 specifies the test requirements for RCD's.

Return on investment:

When you consider cost of an electrician conducting the RCD testing, the required "live work" observer and the production/site/workers down time, the payback period is quick.

The considerable safety benefits associated with RTS is also reason enough to install Rapid Test

NRTTUWF - Master unit

Reporting:

Testing is conducted using a tablet-based interface such as Windows 10 PC, Android or iPad. Testing reports are then emailed directly or can be uploaded to the cloud via an optional data hosting subscription service. Reports shows details of the testing technician, the date of testing, the next test date, and the recorded trip time of the RCD. The data hosting subscription service offers additional reporting and scheduling features.

NRTRB24 - 24 Channel unit

NRTMC8 - Master & 8 Channel unit

Part Number	Description
NRTTUWF	RCD RTS SYSTEM Wi-Fi MASTER
NRTRB24	RCD RTS SYSTEM 24 CHANNEL MODULE
NRTMC8	RCD RTS SYSTEM Wi-Fi MASTER AND 8 CHANNEL MODULE
Accessories	
RTSP	RCD RTS SYSTEM SURGE DIVERTER (SET OF 2)
USB	RCD RTS SYSTEM STACKING BRACKET (PKT OF 2)
RT005	RCD RTS SYSTEM STICKER (PKT OF 10)
RTSDC	RCD RTS SYSTEM RJ12 DUST COVER
RBL	RCD RTS SYSTEM BARCODE LABEL (PKT OF 24)
Communication Leads	
FL-xx	RCD RTS SYSTEM Comm lead from 100mm - 4000mm

Dimensions			
	Width	Height	Depth
NRTTUWF	204	86	55
NRTRB24	204	86	55
NRTMC8	203	120	60

Rapid Test

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