RAILWAY TRACK SIGNALS OVERVIEW

Railway Track Signals (RTS) are used by rail organizations in Australia and New Zealand and manufactured exclusively by Howard and Sons Pyrotechnics (Manufacturing) Pty. Ltd.

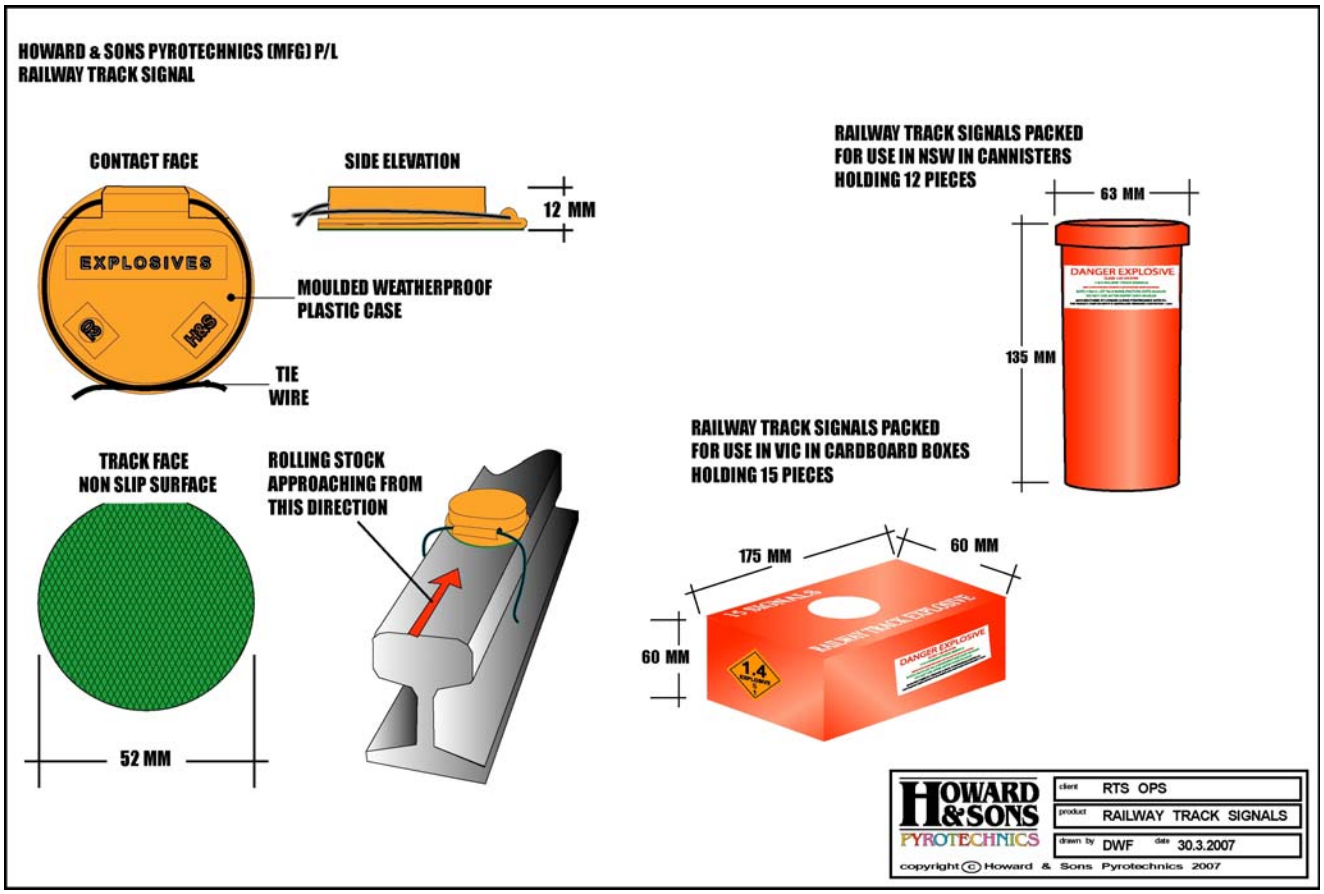
RTS are used as a safety and signaling device by rail organisations to alert both drivers and others working on or near rail lines of an approaching rail vehicle or other hazard. They are also known as Railway Dets, Dets, Detonators and Fog Signals.

Other uses of RTS may include, but are not limited to...

- A warning of caution to driver of danger ahead.
- A warning of train stopped ahead due to accident or incident.
- A warning of works on line ahead
- When a rail employee requires to stop an approaching train.

The RTS consists of an orange plastic disc containing a chemical composition and sealed. The base of the detonator is coated in a non-slip material. A wire piece is attached and used to secure the RTS to the track during use as shown below. The assembled RTS are packed in cardboard or plastic canisters depending on local state regulations.

When used the RTS is secured to the rail track with securing wire pointed toward rolling stock, when the rail vehicle travels over the detonator a chemical reaction takes place due to the pressure and a loud bang noise is created.



Each state of Australia has specific rules and regulations relating to the import, transport, storage and use of explosives.

Please see below for state regulatory information:

- New South Wales (link to NSW folder)
- Victoria (link to VIC folder)
- Queensland (link to QLD folder)
- South Australia (link to SA folder)
- Western Australia (link to WA folder)

Extra documentation and diagrams available below:

- RTS Material Safety and Technical Data Sheet (link to MSTDS PDF)
- RTS Dangerous Goods Shipping Document (link to shipping doc PDF)
- RTS Emergency Procedure Guide (link to EPG PDF)
- RTS Elevations Diagram (link to elevations JPEG)
- RTS Elevations Packaging Diagram (link to elevations packaging JPEG)