HOW IT WORKS

The RSS 3000 is based on the certified and proven ZKL 3000 RC technologies to further increase track work safety and railway capacity.

When the RSS 3000 is activated, it will trigger a signal interlocking configuration to provide a safe zone which is protected by:

- Setting the railway signals to red, or

- Diverting railway switches / points away from the protected area, or

- By inhibiting a train path / route.

The RSS 3000 is permanently installed alongside the signal interlocking equipment to allow track workers to complete their duties efficiently, whilst in a position of safety.

Once the RSS 3000 is installed it can then be switched remotely via the MTinfo 3000 app in a matter of seconds, removing the need for track workers to be on track when taking protection.

WHAT ARE THE BENEFITS

The RSS 3000:

- Can be used in conjunction with the ZKL 3000 RC, providing further additional protection.

- Can inhibit entire train paths or routes, providing larger safety zones with a single device.

- Is permanently powered and installed alongside the signalling interlocking equipment.

- Can be switched remotely, creating a work safety zone within seconds.

- Will give track workers more time on site to complete the task.

IMPORTANT FACTS

- The RSS 3000 is 'fail safe' and SIL 4 (safety integrity level) approved.

- The interlocking configuration and RSS 3000 must be designed, pre-installed, tested and commissioned in accordance with the relevant infrastructure controller's rules and procedures.

- ZKL 3000 RC users will already be familiar with the interface and planning process.

- It does not require any maintenance and can be simply removed.

- The RSS 3000 is the size of a BR932 relay so it will fit in a standard relay rack.

MTINFO 3000 APP:

- Is a cloud-based SIL 4 rated management platform.
- Uses safe and cyber secure remote control technology.
- Can be used on a smartphone, tablet or computer (iOS / Android).

The app enables the user to:
- Operate the RSS 3000 remotely.
- Obtain data in real-time.
- Monitor and control devices within a project.