



THE RDI 3000 IS A REMOTE CONTROLLED DETONATOR INSTALLER, RED LIGHT AND SIGNAL FLAG. IT CAN BE USED IN CONJUNCTION WITH THE ZKL 3000 TO PROVIDE FURTHER ADDITIONAL PROTECTION TO TRACK WORKERS AND MAXIMISE TRACK ACCESS EFFICIENCY.

## HOW IT CAN BE USED

### Use Case #1

The RDI 3000 was originally designed to meet the requirements of SNCF Reseau for remote control safe demarcation of engineering track access worksites. Deploying the detonator (railway fog signal), red flag and red signal (100 lumens) will protect track workers from trains and other rail vehicles from entering worksites.

### Use Case #2

The RDI 3000 can also be used as an overlay remote control shunt signal (with or without the detonator) in sidings as well as in railway marshalling yards that do not have a railway signalling system. Multiple RDI 3000s can also be configured to provide simple route signalling in a set of sidings or yards. Installations can be temporary or semi-permanent.

## HOW IT WORKS

**Once the RDI 3000s have been installed at the limits of the worksite and activated remotely using the Dual Inventive's App - MTinfo 3000, the user will be able to:**

- configure RDI 3000
- apply safe work zones, and
- group the devices to make larger work safety zones.

When activated via the App, a motorised arm raises the red flag, turns on the bi-directional red LEDs to alert train drivers as they approach the work safety zone. It then places a detonator on the top of the rail head, which will warn the track worker and train driver if a train, wagon or on-track plant enters the work safety zone inadvertently.

## WHAT ARE THE BENEFITS

### The RDI 3000:

- Is easy to install with a magnetic fixing which attaches to the web of the rail.
- Can be activated remotely within seconds using MTinfo 3000 (4G secure cloud) via a smartphone or tablet. It can also be operated manually with a key.
- Can be switched simultaneously with other RDIs in the worksite allowing more time on track to get the tasks completed.
- Can be used as an overlay train signalling solution, but it's most suited in non-signalling sidings or yards as well as large engineering possessions with multiple engineering train movements.
- Is operated via MTinfo 3000 a tried and tested online platform which is currently used daily to operate the ZKL 3000 RCs.

## IMPORTANT FACTS

### The RDI 3000:

- Is 'Fail safe' and SIL 4 rated (Safety Integrity Level).
- Can withstand a temperature range from -10 to 70°.
- Can be preinstalled.
- Is battery powered with solar trickle charge
- Is developed in accordance with Railway Safety Standards - EN50126, EN50128 and EN50129.