

## AUSTRALIAN RAIL TRACK CORPORATION LTD

## Engineering (Signal) Instruction

### ESI-03-01

# Level Crossing Emergency Switches Box

Applicability

ARTC Network Wide✓RIC (NSW CRN)✓

Audience	Main Points	Amendment Record
Signal Maintainers	Switches to be installed correctly	V1.0 31 March 2009
Signal Engineers	Regular testing of switch	
Project Managers	Commissioning Test	

### Background

An incident at a level crossing permitted the Emergency Switch Box door to be closed and locked with the key in the keyswitch.

This Instruction details actions to be followed with regard to the installation, commissioning and maintenance of these switch boxes for level crossings.

### Installation and Commissioning

The panel spacer item 3 on drawing M06-301, must be installed in the Emergency Switch Box assembly. This is required for the panel and the switches to be in the correct position to obstruct the closing of the door when the key is inserted in the switch.

During Testing and Commissioning, the installation must be tested to ensure that the door cannot be closed with the key in the keyswitch. This test must be recorded in the Commissioning Work Package.

#### Maintenance

The maintenance of the level crossing equipment requires operation of the emergency key. The Signal Maintainer shall ensure that the door cannot be closed with the key in the keyswitch. This is to be undertaken at every maintenance service for the level crossing. This test is to be included on the service schedule.

The emergency key may become worn in service. The Signal Maintainer shall test that the key cannot be withdrawn from the keyswitch, when it is in the reverse position. This is to be undertaken at every maintenance service for the level crossing. This test is to be included on the service schedule.

Issued by	Date
Manager Standards	31 March 2009



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