

**Certificate No. NESA-S054**

**Version No. 1.0**

**Approval date** 28-07-2020  
**Approved by** GM Technical Standards  
**Report no.** NESA-S054 (V1.0)  
**Report date** 05/06/2020

*This certificate is issued to*

**Supplier** MW Engineers  
 7/47-51 Little Boundary Road,  
 Laverton North, Victoria 3026

*In respect of*

**Manufacturer** MW Engineers  
**Product description** Axle Counter Reset Box  
**Item identification** See approved item list.  
**Application** ARTC Network wide  
**Relevant Standards** ESI-03-02 – Level Crossing Axle Counter Detection System Design  
 ESI-05-03 – Frauscher Axle Counters  
 SPS 05 Electrical & Electronic Components (Ratings & Construction Requirements)

**Conditions of Approval**

- To be used on level crossing and Train Order Working reset applications only.
- For use in accordance with ARTC Standards – ESI-03-02, ESI-05-03.
- Only components from Approved List may be utilised.
- To be used in level crossing layout and Train Order Working applications as per standard drawing AXR 13.
- Signal designer to ensure that safety of the system is covered through signalling circuits design as reset box only provides through wiring connection for axle counter reset.
- Manufacturer to provide certification for each box to be installed/supplied to ARTC for quality assurance.
- Manufacturer to advise any change to design and component changes.
- Test Certificates are to be retained/stored by the manufacturer/supplier for a period of not less than seven years and made available upon request.

*A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to*

## NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

AS 19011.

Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid certificate.

**Note/Comments**

**NIL**

**Issue date** 28-07-2020

*M Jain*

**Issued by**

**Mayank Jain**

**Manager Signalling Standard ARTC**

Approved Item List:

Catalogue No	Type Description
CA10B-AU001817	Reset Switch Kraus and Naimer
431-7548	Door Solenoid SAIA – Burgress
515-785	Door Lock Microswitch Honeywell V15H22
331-7569	Escutcheon Panel Door Sensor ASSEMtech PTA230/30
Z0232	Green LED Chrome Bexel Altronics
Z0230	Red LED Chrome Bexel Altronics
159-461	330ohm resistor
159-449	150ohm resistor