

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Certificate No. NESA-S021 (v1.2)

Approval date 3 April 2020

Approved by A/General Manager Technical Standards

This certificate is issued to

Supplier Aldridge Railway Signals Pty Ltd

In respect of

Manufacturer Railway Equipment Co.

Product description Cragg DTC-G Railcharger

Item identification

Aldridge Rail order No.	Model No.	Model Part No.	Firmware Version	Cells	Input Amps @ 115VAC	Output Amps	Output Volts	Dimensions W x H x D (cm)	Comment
BC006	10DTC-G-12V	520918 A	190321	5 - 8 Lead Acid 5 - 12 NiCad	7.0	10	7.0 – 18.8 Volts	30.5 x 25.7 x 22.2	
BC007	20DTC-G-12V	520928 A	190321	5 - 8 Lead Acid 5 - 12 NiCad	9.0	20	7.0 – 18.8 Volts	30.5 x 25.7 x 22.2	
BC008	30DTC-G-24V	520938 A	190321	11 - 18 Lead Acid 19 - 26 NiCad	22.0	30	24.0 – 42.5 Volts	33.0 x 34.9 x 29.8	
BC005	40DTC-G-12V	520948 A	190321	5 - 8 Lead Acid 5 - 12 NiCad	18.0	40	7.0 – 18.8 Volts	33.0 x 34.9 x 29.8	Default level crossing charger
BC009	60DTC-G-12V	520968 A	190321	5 - 8 Lead Acid 5 - 12 NiCad	18.0	60	7.0 – 18.8 Volts	33.0 x 34.9 x 29.8	

Application Signalling

Relevant Standards SPS02 Environmental Conditions
ESD-03-01 Level Crossing Design
SCP04 Lightning and Surge Protection Requirements

Conditions of Approval 1. For use in accordance with ARTC specification SPS02 'Environmental Conditions', ESD-03-01 'Level Crossing Design'

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and SCP04 'Lightning and Surge Protection Requirements' for electronic equipment subject to Category C exposure.

2. Only components listed may be utilised.
3. 40DTC-G-12V charger is the default charger for use at Level Crossings for use with Ni-Cd batteries.
4. Installation and maintenance to be in accordance with the 'Cragg Railcharger Instruction manual' P/N R5209X8 Rev A.

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 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

Issue date

7 April 2020

Expiry date N/A

Issued by

MJ Jain

Mayank Jain

ARTC Manager Signalling Standards