



DAC-RS232



SALIENT FEATURES

- Standard RS232 Output
- Works on +24V DC
- DIN rail and base mounted
- Compatible with CEL's SSDAC, HASSDAC and MSDAC

RS232 INTERFACE FOR DIGITAL AXLE COUNTER

With Railways modernizing its communication network, a need for working the Digital Axle Counters using communication media other than quad cables was being felt. CEL's DAC-RS232 fulfils this need by allowing railways to use any RS232 compatible device for the communication between its Digital Axle Counter.

It allows Railways to migrate the axle counter communication (mostly for BPAC application) from quad cable to other media like Optical Fiber or Radio Channel for enhancing the quality of this communication. CEL's DAC-RS232 has been designed to work with CEL's SSDAC (DACF-710P), HASSDAC (DACF-720P) and MSDAC (DACF-730) and uses all the safety factors required to work a safe axle counting system.

CEL's Advantages:

- Use of Radio interface with DAC-RS232, mitigates the issues associated with wired communication in challenging geographical areas.
- It allows the Digital Axle Counter to work on dark fiber using suitable interface.
- A pair of DAC - 232 can be used as a repeater for the communication of digital axle counters. When used in this manner, it can overcome the problem of block sections longer than 20km or when the cable loss is more than 30dB even in shorter sections.



Central Electronics Ltd.

4 - Industrial Area, Saur Urja Marg
Sahibabad – 201010, Uttar Pradesh



DAC-RS232

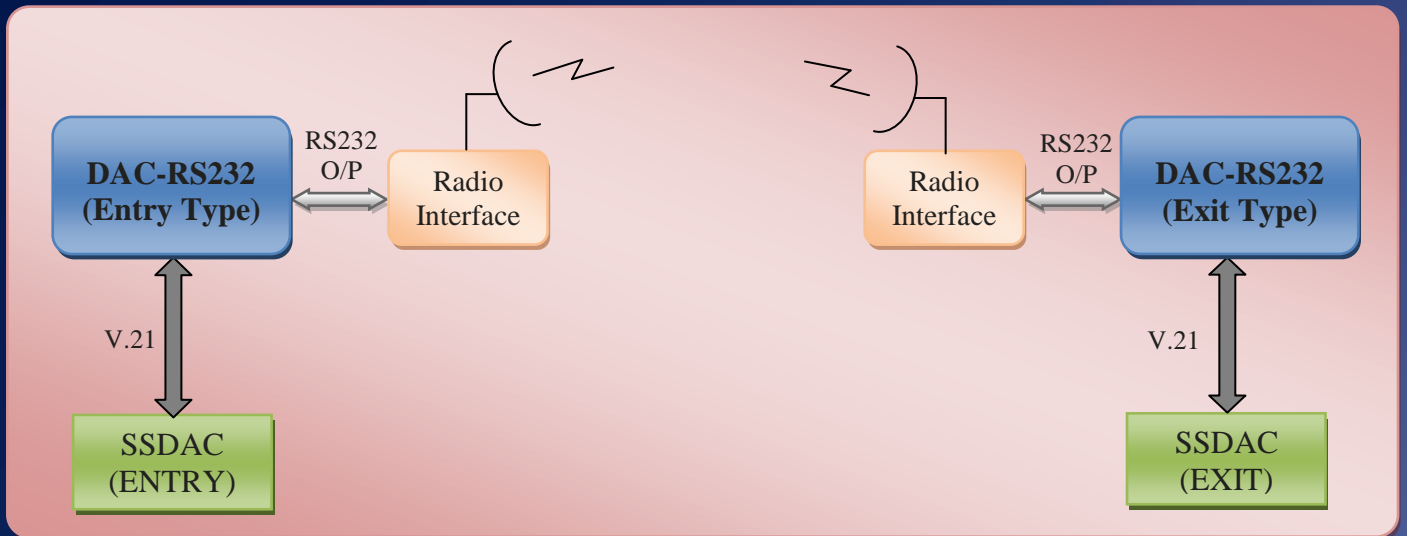


Figure 1: RS232 interface with SSDAC using DAC-RS232



Figure 2: Front View of DAC-RS232

Specifications:

FSK	WAGO Connector, ITU-T V.21, 300 bps, Full Duplex
RS232	DB-9 Connector (Tx, Rx & GND), DCE
Input Power	+24VDC
Consumption	<5W
Dimension (L*W*H)	145mm*135mm*41mm
Operating Temp.	-10°C to +70° C



Central Electronics Ltd.

4 - Industrial Area, Saur Urja Marg
Sahibabad – 201010, Uttar Pradesh