

A robust, tamper proof and resilient keypad, withstand extreme temperatures and weather conditions. The keypad communication is compatible to the on-board computer (OBC) and is certified in accordance to rail standards.

Key Characteristics

- No moving parts completely sealed against the environment
- Enhanced touch activated operation by hand, gloves or tools
- Modbus RTU, RS485 communication
- OLED Display 16X2 characters
- Certified to AAR S-9401 (2009) (MIL-STD 810E)
- Design for train safety system: Secure Positive Train Stop Release (PTSR)





Electrical Data

Power M12 Male 8pos. 2	Function		Description
Pin4	POWER (+)		15-24 VDC
Pin5	POWER (+)		15-24 VDC
Pin2	GND		Ground
Pin3	GND		Ground
Pin7	Data (-)		
Pin1	Data (-)		
Pin6	Address. Detection. Gpio. Input Pul	l-Up	(Pull-Up)
Pin8			Ground
LED1 (L1): POWER - HEALTH STATUS		OR RE	D/GREEN
LED2 (L2): HEARTBEAT STATU	JS AMBEI	R OR C	DRANGE COLOR
LED3 (L3): PTSO RELEASE STA	ATUS BLUE (COLOF	}
LED4 (L4): SPTSR TERRITORY STATUS		I COLO	OR

Mechanical Data

Connection	M12 A-CODED MALE 8 Pos.+ CABLE 250 ±20mm	
Programming Connector	IDC Female 6 pin' Pitch 2.54mm	
Housing Finish		
Anodize Color	Natural	
Print Color	Black	

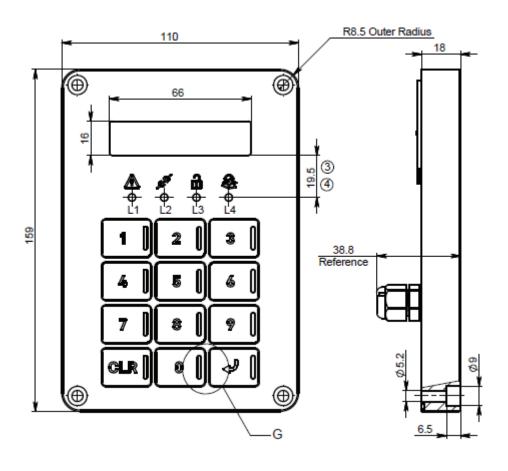
Environmental Data

Operating Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C
Certified to AAR S-9401 (2009)	





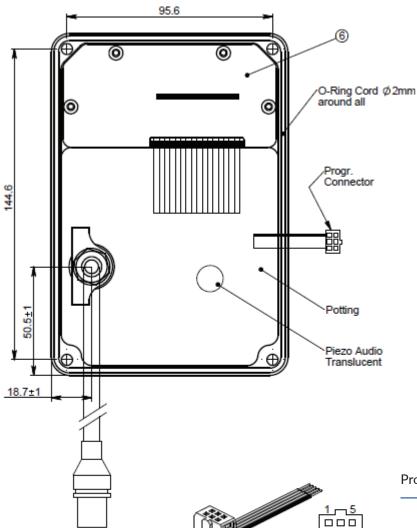
Mechanical Drawing



Graphics	Function
1	0x01
2	0x02
3	0x03
4	0x04
5	0x05
6	0x06
7	0x07
8	0x08
9	0x09
CLR	0x0a
0	0x00
Arrow	0x0b







Programming Connector

Pin Number	Function
1	VPP/MCLR
2	5V VCC
3	GND
4	PGD
5	PGC
6	Not connected

^{*}The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Users should evaluate the suitability and test each product selected for their own applications.



