



PREVIEW SENTRY[®]79

79 GHZ SHORT RANGE RADAR



PERFORMANCE

- 79 GHz FMCW
- Programmable range and width
- Detects, tracks, and reports the location of up to 64 people and objects simultaneously
- UN Regulation No. 159 Moving Off Information System (MOIS) Compliant
- Environmentally hardened and robust (IP6K9K)

FCC ID: OXZSENTRY79
IC ID: 20379-PREVIEW79
E- Mark: E11 10R06/02 12107 0

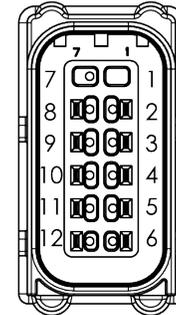
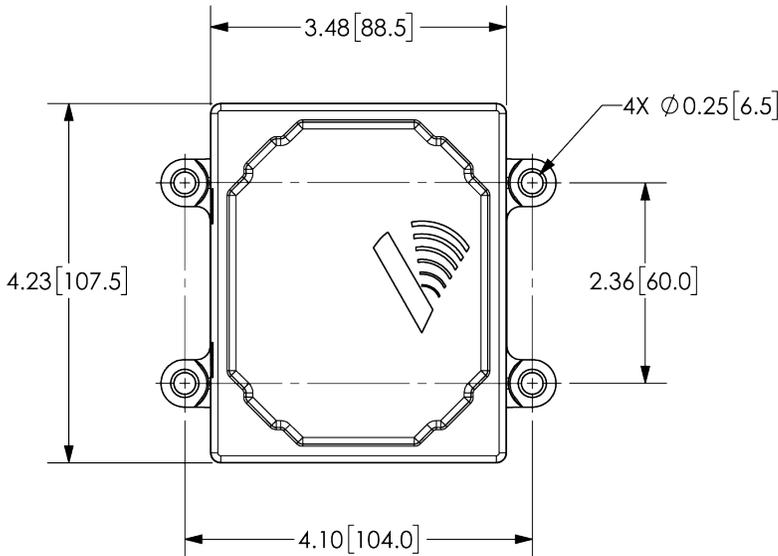
**UK
CA**

SPECIFICATIONS

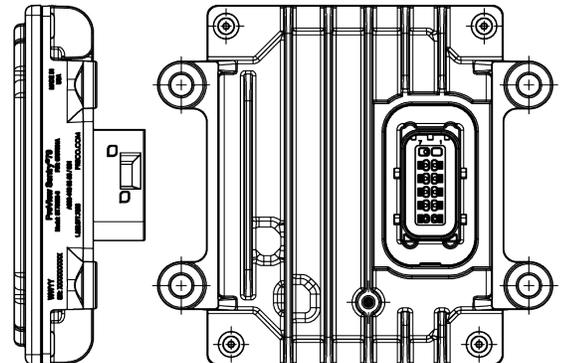
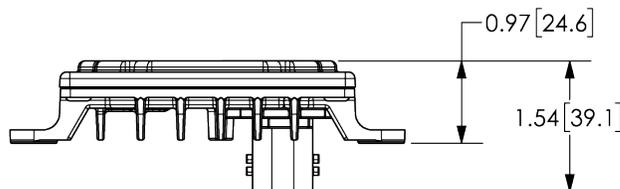
Frequency Band	77-81 GHz Bandwidth, FMCW Waveform
Communication Interface	2x CAN 2.0b. J1939 250/500 Kbits/sec. (1 Mbps/sec. option)
Range	Configurable from 0.5-40 m
Range Resolution	0.2 m
Range Accuracy	±0.2 m
Vertical Field of View	±10 degrees
Horizontal Field of View	±75 degrees
Max Doppler Velocity	±14.3 m/s
Doppler Resolution	0.5 m/s
Doppler Accuracy	±0.2 m/s
Number of Raw Targets	Up to 64
Number of Target Tracks	Up to 64
Update Rate	50 ms
Input Power	9-33 V DC up to 600 mA max
Auxiliary Input/Auxiliary Output	9-33 V DC/9-33 V DC - Switch to Ground
Operating/Storage Temperature	-40° to +85° C/-55° to +105° C
System Diagnostics	Built in Self Test (BIST), Sensor Blockage Warning
Enclosure	IP6K9K
Connector Type	TE GET64, HDSCS 12 pin



DIMENSIONS AND PIN-OUT



CONNECTOR END VIEW
TE GET64, HDSCS 12 PIN



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