

TECHNICAL FEATURES

Performance	120 meters max range
Working frequency	24,00÷24,25 GHz
Maximum power	20 dBmV EIRP
Modulation	CHIRP
Accuracy	± 1
Cross point	± 1
Virtual Zones	10
Power supply	12VDC ± 15%; 24VAC ± 15%; 24-48VDC ± 15%
Power consumption	Stand-Alone (relays in standy) 400mA@12V; 250mA@24V; 130mA@48V Each alarmed relay: 20mA@12V; 11mA@12V; 6mA@48V
Local relay output	8+8 SW controlled
Relay rating	100mA@12V max (NC contacts 22 Ohm series)
Operating temperature	-30°C ~ +55°C
Wall mount ver. - Dimensions	h 480 mm; diameter 140 mm
Basement ver. - Dimensions	h 895 mm; base diameter 295 mm; diameter 140 mm



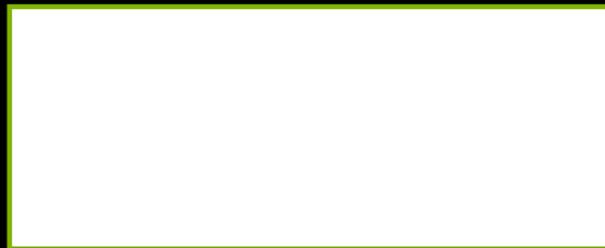
Committed to security.

PERIMETER



PERIMETER PROTECTION SYSTEM **RADAR**

Retailer of confidence



AZIENDA CON SISTEMA DI GESTIONE
PER LA QUALITÀ CERTIFICATO DA DNV
= **UNI EN ISO 9001:2008** =



Committed to security.

GPS STANDARD S.P.A.

Fraz. Arnad Le Vieux, 47 • 11020 Arnad (AO) - Italy • Ph. +39 0125 96 86 11 • Fax +39 0125 96 60 43
info@gps-standard.com • www.gps-standard.com

Copyright by GPS Standard SpA

The rights of translation, reproduction or complete or partial amendment, by any means, are reserved in all countries.

GPS Standard reserves the right to modify the technical characteristics and prices without prior notice.

The information provided in this document is subject to modification and/or errors.

For detailed information refer to GPS Standard.

N. doc: RADARUK02/12 - May 2012



RADAR



perimeter protection system

RADAR™ is a perimeter protection system designed with a **volumetric, microwave intrusion detector using the CHIRP RADAR effect**. It is a high performance system that uses **electromagnetic waves** which, projected along the perimeter to be protected, create an impassable barrier.

Compared to traditional Doppler effect intrusion-detection, which is intrinsically limited with only the ability to detect the speed of the possible intruder, RADAR™, using **CROSS TECHNOLOGY**, is able to

detect each crossing of the barrier itself by providing precise information about the crossing point, with an accuracy of 1 meter in all weather and lighting conditions.

OPERATION
The Radar electronics is realized with a DSP microprocessor, with exceptional processing power and signal analysis, thanks to these characteristics the capability of RADAR™ to distinguish a real intrusion from the environmental noise become foolproof, offering an

extraordinary detection capability, accompanied by an equally great capacity for rejection of false alarms. The system can detect with a probability greater than 99% 40 kg human intruders that crossing the protected area with any movement and with a speed between 0,02 and 18m/sec.

VERSIONS
There are two versions available, dependent on the length of the barrier to be created: 80 and 120 meters. Both versions are available in

Stand-Alone and Multiplex configurations.

PLUS
-It offers a modern and elegant style and it is able to be perfectly integrate to the surrounding environment, as a light fixture.
-The system is **immune to changing weather conditions** and light sources and therefore can be installed in any environment.
-It is particularly suitable for public and private contexts need to preserve certain aesthetic but with a special need for physical barriers

rather than invisible protection systems.
-Ability to create a **network of radar sensors** to meet all installation requirements.
-Detection of the crossing point (**Cross Technology**) with an accuracy of one meter.
This feature allows other local devices such as, for example, speed dome cameras to capture the specific alarm image with extreme precision.
-**Rate of false alarms reduced to virtually zero** due to multiple detection algorithms adopting two

separate procedures, one for the variable position and one for the variable time.
-**Integration** with video surveillance system that can enable PTZ cameras to be moved direct to the intrusion.

