

**Computing Devices Company**  
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**GUIDAR and SPIR intrusion sensors**

■ Computing Devices' GUIDAR and SPIR are state-of-the-art modular microprocessor-based, buried line intrusion sensors for detection and location of intruders over long and short perimeters. GUIDAR and SPIR create a detection zone between a pair of "leaky" coaxial cables buried around the protected area. The coupling between the cables produces a "radar fence" which, when interrupted by an intruder, creates an alarm condition. Using active guided radar techniques, GUIDAR and SPIR sense the physical characteristics of the intruder and effectively discriminates between valid targets and small animals or environmental disturbances. GUIDAR provides coverage for target detection and location for perimeters of up to 3 200 m (10 500 ft.) per system. Systems may be linked together for larger perimeters. SPIR-4 provides coverage over short perimeters up to 300 m (1 000 ft.) in length.

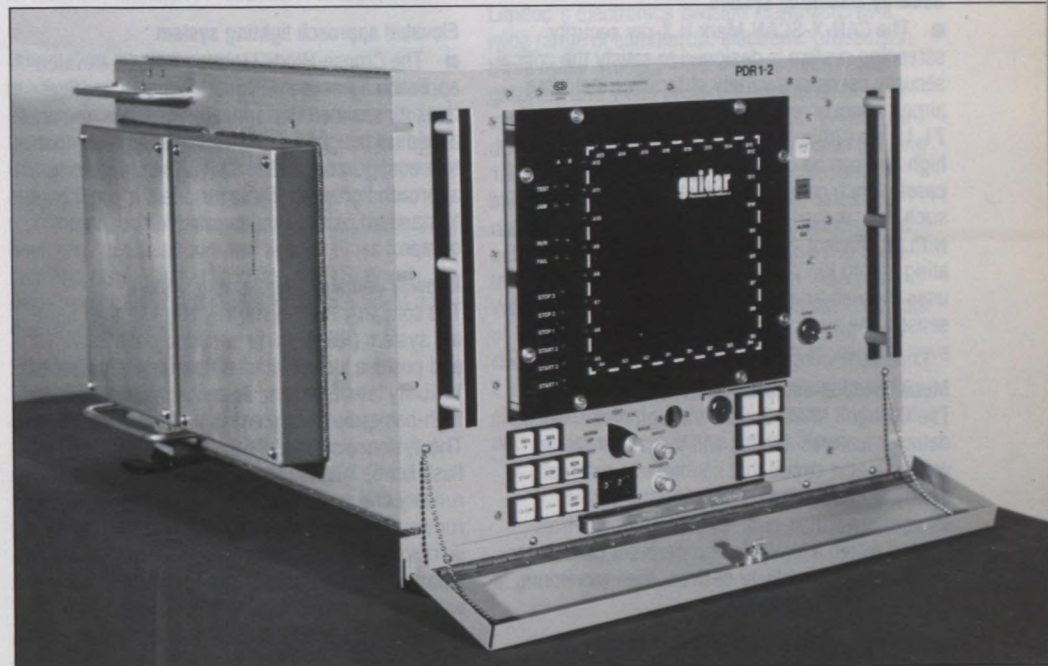
**Digital automatic video intrusion detection system**

Computing Devices' DAVID (digital automatic video intrusion detection), a video motion detection system designed for the outdoor environment, is used as part of a closed-circuit television surveillance system. DAVID, like other motion detectors, identifies intruders by "looking" for small contrast changes in the video scene. Unlike other detectors, however, DAVID tracks the changes as potential targets, and subjects them to stringent validity tests before declaring an alarm condition. These highly effective tests filter out alarms from sources such as cloud shadows, wind motion, precipitation, small animals and video noise. This results in a high-detection probability and few false alarms. DAVID can be used with any video source or any camera.

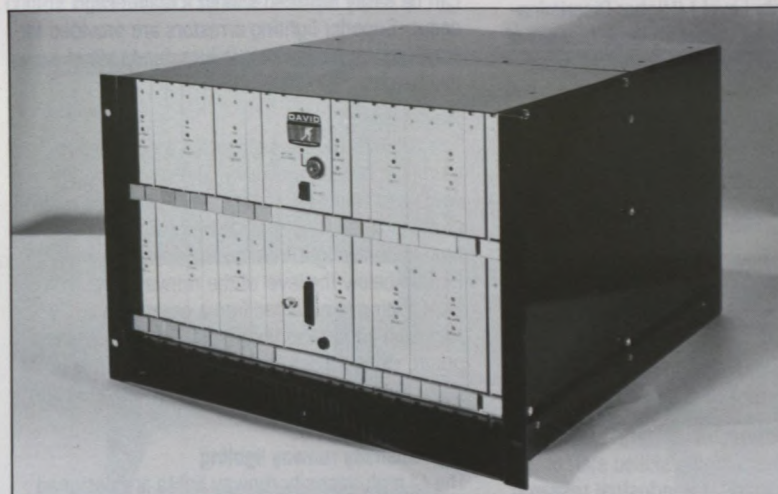
**Company Profile**

Computing Devices Company, founded in 1948, produces sophisticated electronics equipment for military and commercial applications. The company, a division of Control Data Canada, Ltd., is currently involved in a number of specific areas of activity including tactical navigation, anti-submarine warfare acoustic signal processing, tactical fire control, security systems, aircraft engine thrust computing systems and digital displays. Of the total company sales, approximately 80 per cent is exported to large electronic prime contractors in countries such as the United States and the United Kingdom. In the field of security, Computing Devices has developed and produced a

security system (GUIDAR) for the covert surveillance of long outdoor perimeters and SPIR for short perimeters. Computing Devices has also developed a video motion detector (DAVID) which is used for the outdoors. With a staff of 1 000 employees, of which 400 are employed in research and development, the firm is also developing a broad family of military and commercial sensors for future worldwide applications.



GUIDAR processor/display unit



DAVID processor unit