

LSI100

Laser Scanner Detector

LSI100 is a Laser detector developed as a building protection or outdoor areas protection, wall or pole mounted.

Thanks to a 96° detection angle and 4 measurement plans, **LSI100** is able to detect the direction of the intrusion and manage the interesting area for alarm management. Parameters settings are achieved thanks to a simple remote transmitter that is also used to set-up the background at the first detector activation: this background is used as a comparison to detect an intrusion.

LSI100 can grant two digital outputs and is powered with 12Vdc; power consumption is below 5W. As an option, a stainless steel pole bracket is supplied suitable for an outdoor installation. **LSI100** is used as an anti-intrusion detector in professional alarm systems and it has been adopted in retail & industrial applications.



□ Technical Data / Functions

Detector	Scanner Laser, 905 nm, Class 1, 4 measurement plans
Detection angle	96° with 274 points of resolution; 64 ms scanning cycle
Features	<ul style="list-style-type: none"> ▪ Programming by a remote transmitter (included in the package) ▪ Detection area definition (Width x Depth) ▪ Background definition (the intruder object can be detected against the background) ▪ Real-time detection of position, distance and movement direction of the object ▪ Algorithms for object dimensioning and for its distance to the sensor ▪ Algorithm for filtering the presence of rain, snow, birds, ... ▪ Alarms management and outputs activation
Power supply / Power	12-24 Vdc / power consumption 5W
Max detection distance	9,9 m
Alarm outputs	2 digital outputs (NO)
Working conditions	Temperature -15 °C ~ +55 °C, R.H. 5% ~ 95% without condensation; IP65 housing

Pole bracket (option):



LSI100 – Technical changes reserved

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