

**SUNSTAR商斯达实业集团**是集研发、生产、工程、销售、代理经销、技术咨询、信息服务等为一体的高科技企业，是专业高科技电子产品生产厂家，是具有 10 多年历史的专业电子元器件供应商，是中国最早和最大的仓储式连锁规模经营大型综合电子零部件代理分销商之一，是一家专业代理和分销世界各大品牌IC芯片和电子元器件的连锁经营综合性国际公司。在香港、北京、深圳、上海、西安、成都等全国主要电子市场设有直属分公司和产品展示展销窗口门市部专卖店及代理分销商，已在全国范围内建成强大统一的供货和代理分销网络。我们专业代理经销、开发生产电子元器件、集成电路、传感器、微波光电元器件、工控机/DOC/DOM电子盘、专用电路、单片机开发、MCU/DSP/ARM/FPGA软件硬件、二极管、三极管、模块等，是您可靠的一站式现货配套供应商、方案提供商、部件功能模块开发配套商。**专业以现代信息产业（计算机、通讯及传感器）三大支柱之一的传感器为主营业务，专业经营各类传感器的代理、销售生产、网络信息、科技图书资料及配套产品设计、工程开发。我们的专业网站——中国传感器科技信息网（全球传感器数据库）www.SENSOR-IC.COM 服务于全球高科技生产商及贸易商，为企业科技产品开发提供技术交流平台。欢迎各厂商互通有无、交换信息、交换链接、发布寻求代理信息。欢迎国外高科技传感器、变送器、执行器、自动控制产品厂商介绍产品到中国，共同开拓市场。**本网站是关于各种传感器-变送器-仪器仪表及工业自动化大型专业网站，深入到工业控制、系统工程计 测量、自动化、安防报警、消费电子等众多领域，把最新的传感器-变送器-仪器仪表买卖信息，最新技术供求，最新采购商，行业动态，发展方向，最新的技术应用和市场资讯及时的传递给广大科技开发、科学研究、产品设计人员。本网站已成功为石油、化工、电力、医药、生物、航空、航天、国防、能源、冶金、电子、工业、农业、交通、汽车、矿山、煤炭、纺织、信息、通信、IT、安防、环保、印刷、科研、气象、仪器仪表等领域从事科学研究、产品设计、开发、生产制造的科技人员、管理人员、和采购人员提供满意服务。**我公司专业开发生产、代理、经销、销售各种传感器、变送器、敏感元器件、开关、执行器、仪器仪表、自动化控制系统：专门从事设计、生产、销售各种传感器、变送器、各种测控仪表、热工仪表、现场控制器、计算机控制系统、数据采集系统、各类环境监控系统、专用控制系统应用软件以及嵌入式系统开发及应用等工作。**如热敏电阻、压敏电阻、温度传感器、湿度变送器、湿度传感器、湿度变送器、气体传感器、压力传感器、压力变送器、称重传感器、物（液）位传感器、物（液）位变送器、流量传感器、流量变送器、电流（压）传感器、溶氧传感器、霍尔传感器、图像传感器、超声波传感器、位移传感器、速度传感器、加速度传感器、扭矩传感器、红外传感器、紫外传感器、火焰传感器、激光传感器、振动传感器、轴角传感器、光电传感器、接近传感器、干簧管传感器、继电器传感器、微型电泵、磁敏（阻）传感器、压力开关、接近开关、光电开关、色标传感器、光纤传感器、齿轮测速传感器、时间继电器、计数器、计米器、温控仪、固态继电器、调压模块、电磁铁、电压表、电流表等特殊传感器。同时承接传感器应用电路、产品设计和自动化工程项目。

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# ***GALILEO MULTISCAN***

## ***“LIGHT” and “PARKING”***

### ***Gas Control Panels***



#### **DESCRIPTION**

MULTISCAN MTSL (Light) and MTSP (Parking) are microprocessor based units for toxic and/or explosive gas detection, designed to offer the customer a powerful and flexible system.

At the core of the control panel is a powerful 8 bit microprocessor operating at a frequency of 12 MHz.

MULTISCAN LIGHT version has been designed to manage up to 104 detectors (analogue type, 4-20mA output) while the version PARKING can manage up to 200 detectors.

The connection to the detectors is carried out by employing remote modules each offering a 8 input connection linked on the RS485 buses

MULTISCAN central units are equipped with 4 output relays programmable and linked to thresholds alarm or fault status, with stable, latched or pulsed output. In addition to these outputs, it is possible to connect 4 output modules on each RS 485 bus so as to offer 64 additional Open Collector output to the version LIGHT and 128 to the PARKING.

The flexibility of the control unit permits to use together detector for explosive and toxic gas, by setting different thresholds for every detector. It's possible to assign measure unit in % LEL for explosive gases and in ppm

(part per million) for toxic gases.

Both versions MTSL and MTSP are provided with events log: the number of events that the control unit can store is up to 800.

A Centronic's parallel printer port is also available.

The system configuration is carried out directly through the keypad on the front panel and the graphic LC-display (back-lit 256x64 pixel) shows the system status and the gas concentration being detected.

A serial port RS232 is also provided for the connection to a personal computer thus allowing a saving time. The same port allows connection to remote programming and control systems (Personal Computer) that during the normal operation, provides the facility of copying, storing and viewing the programming data and event log from an on-line MTS control unit.

The information transmitted to the computer are in SIA format that provides highly detailed information on each alarm or events, but the MTS control units can be customized with other kind of formats.

The control units are housed in Metal cabinet or in a 19" 3 units rack with separate power supply which has to be ordered separately.

## GALILEO MULTISCAN MTSL and MTSP

Housing:	19" - 3U Rack or metal box Dim.:440x420x140 mm	MTSP by 8 remote modules with 16 outputs each, on the two RS485 busses.
Microprocessor:	8 bit 12 MHz	
EPROM:	1 x 128 Kbytes	
Non volatile memory:	1 x 128 Kbytes	
Inputs:	8 local 4-20 mA expanded up to 104 for MTSL by 12 remote modules of 8 inputs each, on 1 bus RS 485; and up to 200 for MTSP by 24 remote modules of 8 inputs each on 2 bus RS 485.	Serial ports: RS232 + 2 x RS485 (only 1 RS485 for MTSL)
	4 local relay expanded: up to 68 for MTSL by 4 remote modules with 16 outputs each, on the RS485 bus. Up to 132 for	Parallel port: 1 x CENTRONIC
Output:		Power supply: 12 V DC RACK 19" version 220 Vac BOX version
		Display: Back lit graphic LCD 256 x 64 dots.
		LED indications: Main power supply All. 1, All. 2, All. 3 and fault
		Events log capability: up to 800 events buffered
		Operating temperature: from 0- 40 °C
		Relative humidity: 15-85% non condensing

### COMPATIBLE WITH THE FOLLOWING SENSITRON DETECTORS

<b>"ANALOG"</b> <b>LIFESAVER SERIE</b>	ANALOG Detectors, CATALYTIC sensor, with 4-20 mA proportional output. Power supply 11-28 VCC.
<b>"SMART and SMART 2"</b> <b>CATALYTIC</b> <b>SENSITRON SERIE</b>	Microprocessor Detectors, catalytic sensor, with three thresholds open-collectors alarm output, and 4 - 20 mA proportional output. Power supply 11-24 VDC.
<b>"SMART and SMART 2"</b> <b>"ELECTROCHEM. CELL"</b> <b>SENSITRON SERIE</b>	Microprocessor Detectors, ELECTROCHEMICAL CELL sensor, with three thresholds open-collectors alarm output, and 4 - 20 mA proportional output. Power supply 11-24 VDC.

### PART NUMBERS

<b>ST.G/MTSLR</b>	<b>GALILEO MULTISCAN LIGHT</b> , 8-zone control panel, to be extended to 104 by using 8 zones remote cards on the RS485 bus. Housed in a 19" 3U rack. Equipped with 8 x 4-20mA input channels and 4 relay outputs. 12 Vdc power supply is required.
<b>ST.G/MTSLB</b>	As above but in metal cabinet with 12 V - 3.5 A enclosed power supply.
<b>ST.G/MTSPR</b>	<b>GALILEO MULTISCAN PARKING</b> , 8 zone control panel, to be extended to 200 by using local 8 zones remote cards on at the 2 RS485 bus. Housed in a 19" 3U rack. Equipped with 8 x 4-20mA input channels and 4-relay outputs. 12 Vdc power supply is required.
<b>ST.G/MTSPB</b>	As above but in metal cabinet with 12 V - 3.5 A enclosed power supply.
<b>ST.G/IN8</b>	8 remote inputs card for the GALILEO MULTISCAN control panels.
<b>ST.G/OUT16</b>	16 remote outputs card for the GALILEO MULTISCAN control panels
<b>VM.B/138V15</b>	Metal Cabinet with enclosed a 12Vdc/1,5A Power Supply for one of the above Galileo remote modules
<b>ST.G/BOX</b>	Metal box for ST.G/IN8 and ST.G/OUT16 modules
<b>ST.SW/M-GA</b>	"SECURNET" Maps Graphics software for GALILEO MTS and PLG8 installations. Windows 3.1 or '95 is requested. Supplied with dongle. Fully programmable by customer, can accept graphics files built with other software. Trend and Bargraph performances of the Control Units detector inputs.
<b>ST.S/AL3.5</b>	12V - 3.5A Power Supply. Housed in 19" 3U rack.

Due to **Sensitron's** commitment to research, design and product improvement specifications are subject to change without notice.



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