General purpose motion detector using passive infra read (PIR) sensors, featuring:

- Digital active high or active low outputs available.
- Advanced delay filters for suppression for unwanted as well as prolonging wanted activation.
- Temperature range 0°C to +60°C.
- 3 wire connection (Vsupply, 0V, signal)
- Small size.
- Low power consumption, can be power supplied from our GIO series of general I/O equipment.
- .Flexible mounting using either adhesive hatch-and-hook or fastener TM10019 (both bypacked)
- . Configuration unit will be available later 2004.

The TE11103 PIR-type motion sensor has a well defined sensitivity as well as run-in and hold delays for best possible separation of unwanted and wanted input signals. It is available in several versions using different settings for these parameters These versions all use the same hardware, behaviour is programmed into the units in a configuration process. The units can be purchased pre-configured or configured by the end user (equipment for user configuration will be available within short).The following present pre-configured versions are defined:

Type number	Settings	Description
TE11103/1	10/50/50	High sensitivity setting (=10) with 0.5s run-in delay and 5s hold delay.

The configuration uses thee registers for defining the behaviour of the unit:

Register	Description
sensitivity	Detection level sensitivity threshold (0.255). Lower value gives higher sensitivity.
delay 1	Run-in delay, 0..2.55s expressed as a number 0...255 (i.e. 10ms/unit). Defines the time the detector level must exceed sensitivity threshold until the output gets triggered (=goes high).
delay 2	Hold delay, 0..25.5s expressed as a number 0...255 (i.e 0.1s/unit). Defines the time the output will remain activated after each trigger event.

Specifications

Dimensions:	50x35x35(20) mm (value in brackets exclude the lens)
Operating Temp Range:	0°C ...+60°C
Connection:	5m 3wire 2.8mm overall diam. (3x0.04mm^2) grey: green = Vsupply white = output signal brown=0V
Power Supply Voltage:	3.0..5.5V DC
Current consumption:	typ 1.8mA, max 2.5mA
Cover angle	90° (vertically and horizontally)