



The number one intelligent bus based control system for smart houses and buildings

## Multifunction Sensor

Incorporated microcomputer for highest flexibility

### One sensor. . . five functions

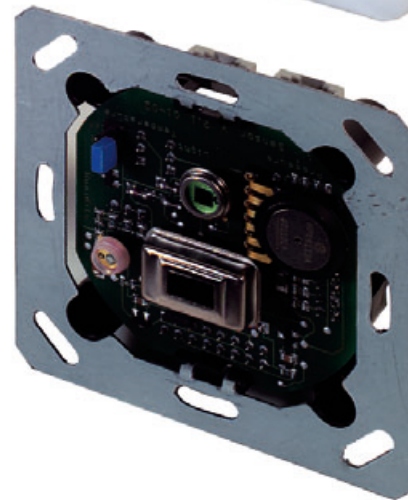
The **InfoControl** Multifunction Sensor module provides continuous monitoring of FIVE input modes simultaneously :

- Light
- Movement
- Pressure
- Temperature
- Humidity

All these values are reported back and monitored. Preset high / low limits are compared and when thresholds are exceeded, predefined actions automatically take place.

Each sensor mode is individually programmable for sensitivity.

In addition, when threshold events are triggered, these can result in notification by SMS, Email, pager etc being invoked.



One or more sensors can be connected to the control bus and are able to be averaged as a group before any action is taken.

The sensors provide the system with the information about all the environmental conditions inside a room or building. Based on these multiple inputs the system is able to perform actions that will control your building's power network or alert you of security events or threshold violations.



## Features

- **Light**  
Photometrics are measured in lux with very fast response times to changes in value. No calibration is required. Normal operating range is 0 – 10,000 lux.
- **Movement**  
Movement is detected by the built-in infrared sensor. As it is infrared it reacts to heat differential in the room, and can sense the presence of a human moving at up to 5 metres. The arc angle of sensitivity for detection is 104° horizontal, and 30° vertical.
- **Pressure**  
The pressure sensor returns its reading as a value expressed in Millibars (Mbar). Normal operating range is 150 – 1,150 Mbar. Displayed in Millibars or Psi.
- **Temperature**  
The temperature sensor measures temperature in degrees Centigrade with a normal operating range from -30°C to +130°C. An option is present to connect an external temperature sensor if required, (if temperature <-10°C >+40°C). Can be displayed as either Centigrade or Fahrenheit.
- **Humidity**  
Relative humidity readings are reported as a percentage (%).



## Multifunction Sensor

■ <b>Electrical connections</b>	None
■ <b>Power source</b>	48V from control bus
■ <b>Max. load (Amps)</b>	n/a
■ <b>Power consumption</b>	0,5W / 10mA
■ <b>Environmental</b>	Normal operating temperature: -10°C to +40°C. Relative humidity 90%
■ <b>Connectors</b>	Two RJ12 connectors for control bus
■ <b>Maximum operating limits</b>	<ul style="list-style-type: none"><li>• Light : 0 – 100,000 lux</li><li>• Movement : Yes, no</li><li>• Pressure : 0- 4,000 Mbar</li><li>• Temperature: -50°C to + 150°C</li><li>• Humidity: 0% to 100%</li></ul> Values exceeding these limits will cause damage to the module.
■ <b>Normal operating limits</b>	<ul style="list-style-type: none"><li>• Light : 0 – 100,000 lux</li><li>• Movement : Yes, no</li><li>• Pressure 150 – 1,150 Mbar</li><li>• Temperature: -30°C to + 130°C</li><li>• Humidity: 5% to 95%</li></ul>
■ <b>Indicators</b>	Red status LED
■ <b>Calibration</b>	Factory calibrated before delivery

For further information:

InfoByte AG  
Binzenholzstrasse 451  
CH-5704 Egliswil

**Switzerland**

Tel. +41 (0)62 769 87 00  
Fax +41 (0)62 769 87 90

info@infocontrol.com

**Visit our Website**  
[www.infocontrol.com](http://www.infocontrol.com)

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Egliswil is located about 30 minutes from Zürich Airport direction Bern/Basel.

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