

## Dry Contact Sensor (DCSxxx)



The Dry Contact sensor is a simple connection to burglar alarms, fire alarms or any application that requires monitoring by the sensorProbe. Dry contact sensors are user definable and can be used to detect many different inputs such as UPS status, security systems, air conditioning status.

These general purpose switches can be either input or output. When used as an output it can source up to 20 mAmps. You can select the output voltage by setting the Output Level to a Low or a High. When set to Low the pin will output 0 volts. When set as a High the pin will output 5 volts.

### Technical Specifications

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|---|--|
| <b>Measurement Range</b>                | Input: Alarm or Normal<br>Output : Set or Reset  |
| <b>Sensor Type</b>                      | Input : Open / Closed contact switch<br>Output : High (5V) / Low (GND)   |
| <b>Contact voltage range</b>            | 5 volts pulled-up dry contacts*  |
| <b>Input Measurement Rate</b>           | Multiple readings every second   |
|   | Normal input state is settable under software  |
| <b>Electrical Output</b>                | Can sink up to 20mA**, when set to Low   |
| <b>Interface</b>                        |  |
| <b>Communications Cable</b>             | RJ-45 jack to sensor using UTP Cat 5 wire  |
| <b>Communications Cable Max. length</b> | 1000Ft (305m) with approved low capacitance shielded cable or UTP  |
| <b>Power Source</b>                     | Powered by the base unit. No additional power needed   |
|   | Full autosense including disconnect alarm  |
| <b>Important Note</b>                   | *Dry Contacts are not isolated, don't connect any voltage source<br>** Dry contact output is not suitable for directly driving a relay |
| <b>Sensor count</b>                     | 1  |

**DCSxxx - Technical Drawing**

