

## SP-2DC

### Sensplorer 2-port Dry Contact Module



#### CLOUD AND MOBILE MONITORING

Sensplorer's MQTT protocol support presents secure, accurate, prompt mobile and cloud based monitoring for the contact output of foreign devices and sensors.

#### DRY CONTACT DETECTION

Hardware and software solution that monitors the dry contact outputs which other device or sensor produced by their relay outputs

#### A UNIQUE NAME, CONFIGURATION AND "IF THIS THEN THAT" RULE CAN BE SEPERATELY ASSIGNED FOR EACH INDIVIDUAL SENSOR

Sensplorer's flexible, modern and user-friendly software gives you the freedom to use it any way you want. No design or system limitations

#### EXPANDABILITY

Sensplorer has a modularly expandable design protecting the current investment. The expansion size depends on the type of Sensplorer base module used

[www.sensplorer.com](http://www.sensplorer.com)

- **Precise and electromagnetically immune dry contact monitoring**
- **Device and sensors also can be monitored by Sensplorer system via their alarm relay outputs**
- **Contact signals are isolated from the rest of Sensplorer system**
- **User defined name, limits and hysteresis**
- **It can be used with all Sensplorer Base Modules**
- **Instantaneous status of the sensor will appear on the screen of the module.**

The **Sensplorer 2-port Dry Contact Output Sensor** monitors relay outputs of device and sensors in terms of their status. A dry contact output can be one of in two status : "1"(closed) or "0" (open). Devices and sensors define the one state as Normal while the other as Alarm. When they are connected to Sensplorer Dry Contact Sensor, Alarm and Normal state is assigned with respect to its documentation.

Sensplorer system is isolated from the foreign device's outputs to protect itself. Isolation protects the Sensplorer system from unexpected and abnormal signals from the other devices which may damage the whole system

The LCD screen on the module helps people to see the current state of contacts in the field and to intervene immediately.

It is connected to CAN expansion bus of all Sensplorer Base Modules via CAT5 / 6 UTP cable. The module receives its energy via this UTP connection, no separate power supply is required.

The maximum length of CAN bus can be extended up to 200 meters. However power injection module may be required depending on CAN bus length and the number of CAN modules on the bus.

#### If the sensor value goes out of the range defined by the system administrator;

- *Users sensor assigned, "if defined", receive e-mail, SMS, phone call*
- *Sensplorer dashboard shows the status change on dashboard*
- *SNMP / Syslog servers, "if defined", receives the traps/messages*
- *SCADA or BMS systems, "if defined", receives the traps/messages*
- *Sensplorer runs the specific rule(s) defined in case of this particular event*
- *All events and sensor's values are stored in the sensor history database for logging or reporting purpose in the future*

#### Technical Specifications

##### 2-port Dry Contact Module

Power	: 12V DC , max. 2 W
Working Temp.	: 0 °C / +70 °C
Storage Temp	: -40 °C / +85 °C
Installation	: Wall mount
Dimension (W*L*D)	: 75 x 110 x 36 mm

##### Dry Contact Sensor

Measured Value	: "1" ( Close Circuit) Or "0" ( Open Circuit)
----------------	---

Response Time : max. 1 seconds

##### Relay Output

Max working Voltages	: 30V DC or 250V AC
NO (normally open) side :	
± maks. 5A@AC / 1A@DC	
NC (normally closed) side :	
± maks. 2A@AC / 1A@DC	

Always monitor your assets wherever you are...

## Sample Sensplorer installation with CAN Modules

### Sensplorer X/M/S/v3.0 Base Module



### CAN Modular Expansion Bus (UTP)



### Sensplorer CAN Expansion Modules

- 16-port Sensor Hub
- GSM Modem
- Temperature & Humidity
- Flooding / Water Leak
- 2-Port Dry Contact
- 16-Port Dry Contact
- 3-Phase Voltage
- 8-port Relay
- RS-485 Modbus RTU
- RS-232 Modbus TRU
- 12-port Digital Input
- AC Fuse Monitoring

### SENSPLORER ALWAYS LETS YOU KNOW WHAT'S GOING ON

Sensplorer sends message to the assigned people to let them know a status change occurred

Users can request the current state of sensors whenever they want to know

All these assignments are completely customizable and easy to use

### GOING GREEN

Sensplorer helps you to run an environmentally conscious operation



Please let us know about your requests, questions, comments and suggestions...

[www.sensplorer.com](http://www.sensplorer.com)

# MEG

ELEKTRIK-ELEKTRONIK

Resitpaşa mah.Katar cad. İTÜ ARI-1  
Teknokent No:2/5/4  
34467 SARIYER  
ISTANBUL-TURKEY  
[www.meg.com.tr](http://www.meg.com.tr)

