

## Web Sensor with PoE - two channels with flood detector and binary inputs

code: P8653



P-line Web Sensor with PoE for measuring temperature, relative humidity, with flood detector and binary inputs for two-states signals. Web Sensors P8653 is designed to measure temperature or relative humidity from up to two external probes. This allows to measure values from two different places by one device.

Device is equipped by three binary inputs. P8653 have dedicated first binary input for connection of flood detector LD-81 (included). Other two binary inputs can be used to connection of dry contacts or binary sensors with voltage output. Communication with the device is realized via Ethernet network. P8653 can be powered from external power supply adapter or by using power over Ethernet – PoE.

### Processing and analysis of measured data:

- online in [COMET Cloud](#)
- [COMET Database](#) software
- [integration into 3-party systems](#)

### Données techniques

|                                        |                                                                                                                                                                        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TEMPERATURE SENSOR                     |                                                                                                                                                                        |
| Measuring range                        | -55 to +105 °C                                                                                                                                                         |
| Accuracy                               | according to the connected probe DSxx                                                                                                                                  |
| Resolution                             | 0.1 °C                                                                                                                                                                 |
| HUMIDITY SENSOR                        |                                                                                                                                                                        |
| Measuring range                        | according to the connected probe DSxx                                                                                                                                  |
| Accuracy                               | according to the connected probe DSxx                                                                                                                                  |
| Resolution                             | 0.1% RH                                                                                                                                                                |
| FLOOD DETECTOR                         |                                                                                                                                                                        |
| Usage                                  | Intended for indoor usage only                                                                                                                                         |
| Cable length                           | 2.5 meters (can't be extended)                                                                                                                                         |
| Two wire connection                    | red wire – active, black wire – GND, directly powered from P8653                                                                                                       |
| BINARY INPUT                           |                                                                                                                                                                        |
| Parameters of the voltage contact      | Voltage input level for „L“: < 1,0 V;<br>Voltage input level for „H“: > 2,5 V;<br>Internal resistivity of the voltage source < 2kOhm<br>Input voltage range 0 to +30 V |
| Parameters of the voltage-free contact | Voltage on the unclosed contact 3,3 V<br>Current through closed contact 0,1 mA<br>Maximum resistivity of the contact < 5kOhm                                           |
| GENERAL TECHNICAL DATA                 |                                                                                                                                                                        |
| Operating temperature                  | -20 to +60 °C                                                                                                                                                          |
| Channels                               | 1x external temperature probe nebo 1x connectable temperature+humidity probe                                                                                           |

|                             |                                                       |
|-----------------------------|-------------------------------------------------------|
| Output                      | Ethernet                                              |
| Measuring interval          | 2 s                                                   |
| Available temperature units | degrees Celsius, degrees Fahrenheit                   |
| Communication protocol      | WWW, ModbusTCP, SNMPv1, SOAP, XML                     |
| Alarm protocols             | E-mail, SNMP Trap, Syslog                             |
| Power                       | Power over Ethernet according to IEEE 802.3af or 5Vdc |
| Protection class            | IP30                                                  |
| Dimensions                  | 88 x 74 x 39,5 mm                                     |
| Weight                      | approx. 125 g                                         |
| Warranty                    | 3 years                                               |