

# LPWAN miniUNI Contact IP65

## PRODUCT DESCRIPTION

LPWAN miniUNI Contact device has been designed for different tasks where digital input status detection is required. The contact device contains open collector inputs with both rising and falling edge detection. The device is in deep sleep after message transmission and can be woken up by status changing on one or more monitored inputs. The contact device has up to 5 inputs – based on FW and customer requirement. Besides status change detection, there is also periodic mode available which is capable to send actual input status in the payload. The device is battery operated and battery lifetime has been optimized by selection of high quality and ultra-low power components. 5+ year between battery replacement can be expected with 6 messages per day. Enclosure is made of high-quality ABS plastic and has been designed to meet IP65. The device can be delivered in IP68 protection on demand, as for details before order.

### USAGE

- General purpose digital inputs check
- Open/close doors, windows
- Simple flood detection
- Alarm information check



| FEATURES                                 | PARAMETERS                                                                                                                     |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Protection                               | IP65                                                                                                                           |
| Power supply                             | 3.6V lithium battery 14505(M)/2600mAh, 2 batteries possible                                                                    |
| Power consumption                        | <3,5uA in deep sleep/80mA transmission (Sigfox, LoRa) / 500mA (NBIoT)                                                          |
| Battery lifetime                         | Aprox. 20 000 transmissions                                                                                                    |
| Supported LPWAN Standards                | Sigfox, LoRaWAN, NBIoT (one of selected upon order)                                                                            |
| Dimensions                               | 107 x 65 x 33                                                                                                                  |
| Weight standard/radiation                | 130g                                                                                                                           |
| Sensor temperature/humidity/air pressure | Open collector with parallel capacitor, based on FW up to 5 inputs available, up to 2 gland to lead the cable out of enclosure |
| Antenna/typical range                    | Helical, gain 2.5dBi/45 to 110km depends on LPWAN technology                                                                   |