

**ACR-CV-101N-I4-EAC**
**4x S0 input to NB-IoT externally powered**
**General specification**

Dimensions:	145 x 90 x 55 mm
Weight:	166 g
IP rating	IP65
Mounting	6 fixation points for mounting to the wall, tube or collar
Mounting holes	4x M4 pan screw and 2x oval hole for zip-tie fixation
HS code:	85269200

**Operating conditions**

Operational temperature:	-30 to +60 °C
Humidity:	0 to 85% RH (non-condensing)

**Regulations and certifications**

Standard	CE, RoHS
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**Device configuration**

Local device configuration	Over the cable via ACR-CONFIG and the configuration app
Remote device configuration	Downlink via network
FUOTA support	Yes, over the NB-IoT network
Configuration options	Configuration via LUA scripting interface

**NB-IoT**

Bands	B1, B3, B5, B8, B20, B28
NB module	SIM 7020E
Supported protocols	UDP
Antenna	External
TX Power	23 dBm
SIM form factor	3FF, chip SIM on demand
Supported NB-IoT features	PSM, eDRX
Maximum payload length	512 B uplink, 1024B downlink*

*\*might be dependant on the network. Tested with Vodafone network*

**S0 interface**

A number of inputs:	4
Impulse counter:	32 bits = 4 294 967 295 pulses
Minimum pulse duration (ms):	30
Maximum input voltage (V):	24
Maximum pulse frequency (Hz):	33
Logical 1 range (V):	More than 2 (up to 24)
Logical 0 range (V):	Less than 1
Closed mechanical contact:	Resistance < 100kΩ
Open mechanical contact:	Resistance > 200MΩ
ESD rating:	16kV per Human Body Model
Connector	Euroclamp 2-piece connector with Philips screws
Auxiliary power supply	3.3V DC
Functionality	Message buffering, wake up on input change

**Device power supply**

Voltage	85 - 305 V AC
Frequency	47 - 63 Hz
Energy consumption	Max 4 W
Connector	WAGO 2604 CAGE CLAMP®

**Packaging**

1x S0 to NB-IoT converter	1x installation manual
	1x NB-IoT 2JW1024 antenna; 4G LTE

**Optional accessories**

ACR-CONFIG	Configuration cable
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**Ordering codes**

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