2813

RS485 Remote Relay

RS485

The **Art.2813** is a networkable RS485 remote relay which is compatible with **VIDEX's** 4G GSM intercom modules (excl. **Art.150/4G**) and **VIDEX's** IP system devices.

When connected via the RS485 bus it can be integrated as part of an access control network with additional **Art.2813** remote relays or with **Art.4903** keypads and **Art.4850R** proximity readers.

It has a single onboard relay (**CO**, **NO** and **NC**) and two switched 0V auxiliary outputs **A1** and **A2**. The relay and both auxiliary outputs can be programmed to operate from 1 - 63 seconds or 0 for latch "toggle" mode.

The relay can be operated directly via the **PTE** input or alternatively the relay and both auxiliary outputs can be activated remotely via text message or by using **VIDEX's** GSM mobile apps (the **SMS Wizard** for users and the **SMS Wizard PRO** for installers) or **VIDEX's** IP **CloudNected** app.

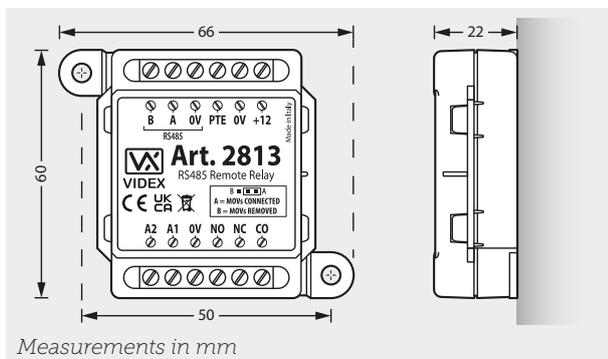In addition the **Art.2813** remote relay can

be setup with the same device ID as the 4G GSM modules, IP system devices or the **Art.4903** keypads and **Art.4850R** proximity readers whereby it will mirror their respective outputs allowing for a **Secured by Design** configuration.
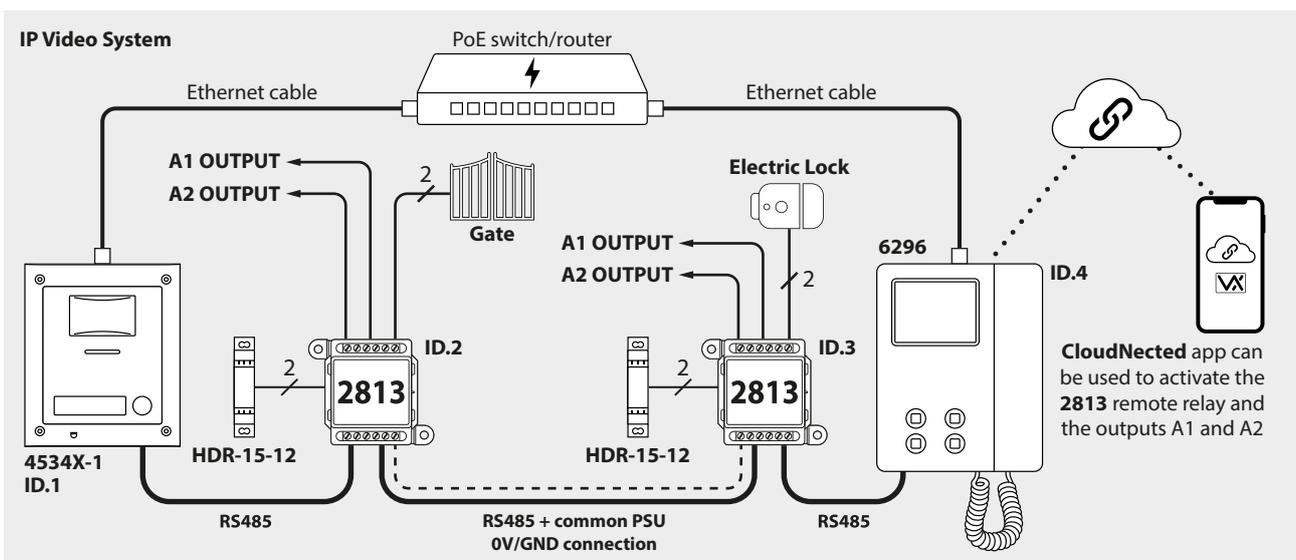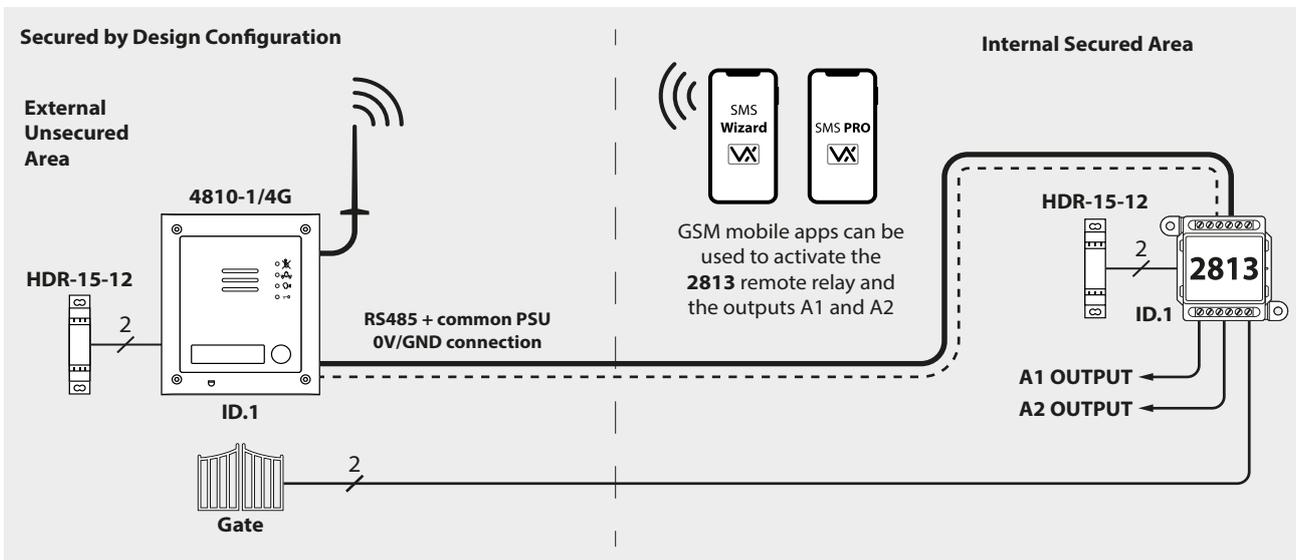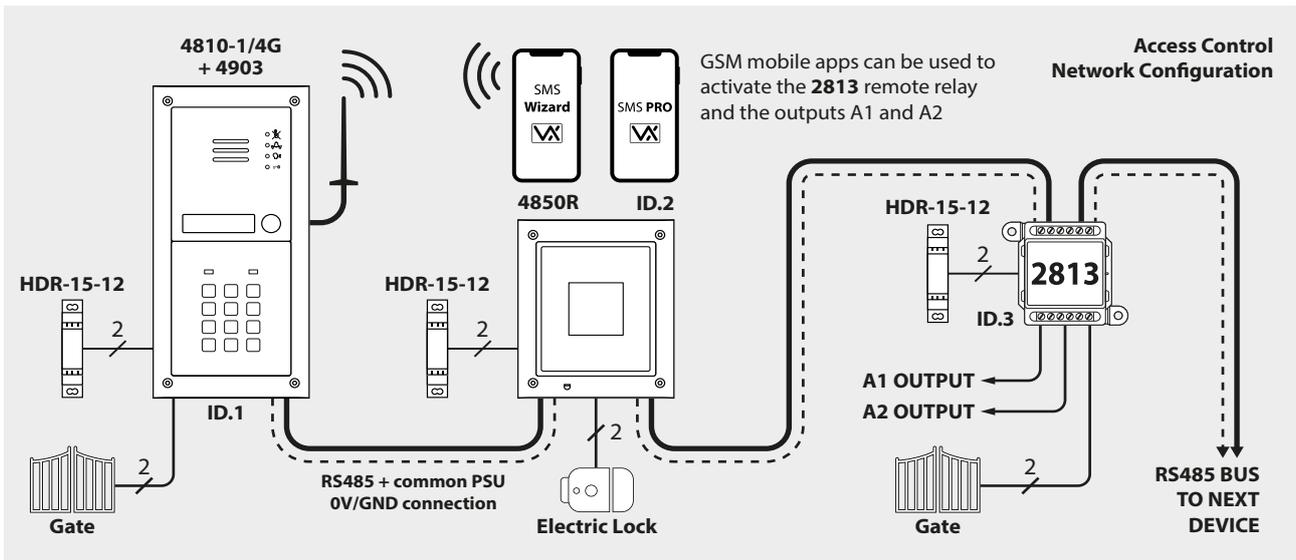
Main features

- RS485 bus connectivity.
- Connection to 4G GSM intercom modules, IP system devices, **Art.4903** keypads and **Art.4850R** proximity readers.
- Dry contact relay (**CO**, **NO** and **NC**) with latch "toggle" mode ability.
- Switched 0V **PTE** input for the relay.
- 2 switched 0V auxiliary outputs **A1** and **A2**.
- Operate the relay and auxiliary outputs remotely via text messages or via **VIDEX's** GSM mobile apps: the **SMS Wizard** (for users) and the **SMS Wizard PRO** (for installers) or **VIDEX's** IP **CloudNected** app.
- **Secured by Design** feature.

Technical characteristics

Device type	Networkable RS485 remote relay
Power supply	12Vdc +/-10%
Current	5mA (standby) 34mA (operation)
Relays	1x dry contact relay (CO, NO and NC / 3A @ 24Vac/dc max.)
Back EMF protection	Internal MOVs across CO to NO and CO to NC contacts (via adjustable jumper)
Inputs	1x PTE (switched 0V)
Outputs	2x auxiliary outputs A1 and A2
Programming	Device ID setup: 0 - 63. Relay, A1 & A2 activation times (1 - 63 seconds or 0 for latch "toggle" mode) via internal dip-switches
Mounting	Surface wall mount

Measurements in mm

VIDEX®

THE POWER TO SECURE

Access Control Network Configuration

4810-1/4G + 4903

HDR-15-12 2

ID.1

Gate 2

SMS Wizard SMS PRO

GSM mobile apps can be used to activate the **2813** remote relay and the outputs A1 and A2

4850R **ID.2**

HDR-15-12 2

HDR-15-12 2 **2813** **ID.3**

A1 OUTPUT
A2 OUTPUT

RS485 + common PSU 0V/GND connection

Electric Lock 2

Gate 2

RS485 BUS TO NEXT DEVICE

Secured by Design Configuration

Internal Secured Area

External Unsecured Area

4810-1/4G

HDR-15-12 2

ID.1

SMS Wizard SMS PRO

GSM mobile apps can be used to activate the **2813** remote relay and the outputs A1 and A2

RS485 + common PSU 0V/GND connection

HDR-15-12 2 **2813** **ID.1**

A1 OUTPUT
A2 OUTPUT

Gate 2

IP Video System

PoE switch/router

Ethernet cable

Ethernet cable

A1 OUTPUT
A2 OUTPUT 2 **Gate**

Electric Lock

A1 OUTPUT
A2 OUTPUT 2

6296 **ID.4**

CloudNected app can be used to activate the **2813** remote relay and the outputs A1 and A2

HDR-15-12 2 **2813** **ID.2**

HDR-15-12 2 **2813** **ID.3**

4534X-1 ID.1

HDR-15-12

RS485

RS485 + common PSU 0V/GND connection

RS485

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