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.

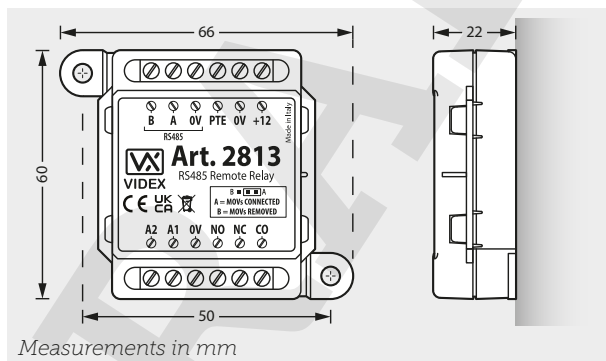In addition the **Art.2813** remote relay can

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.
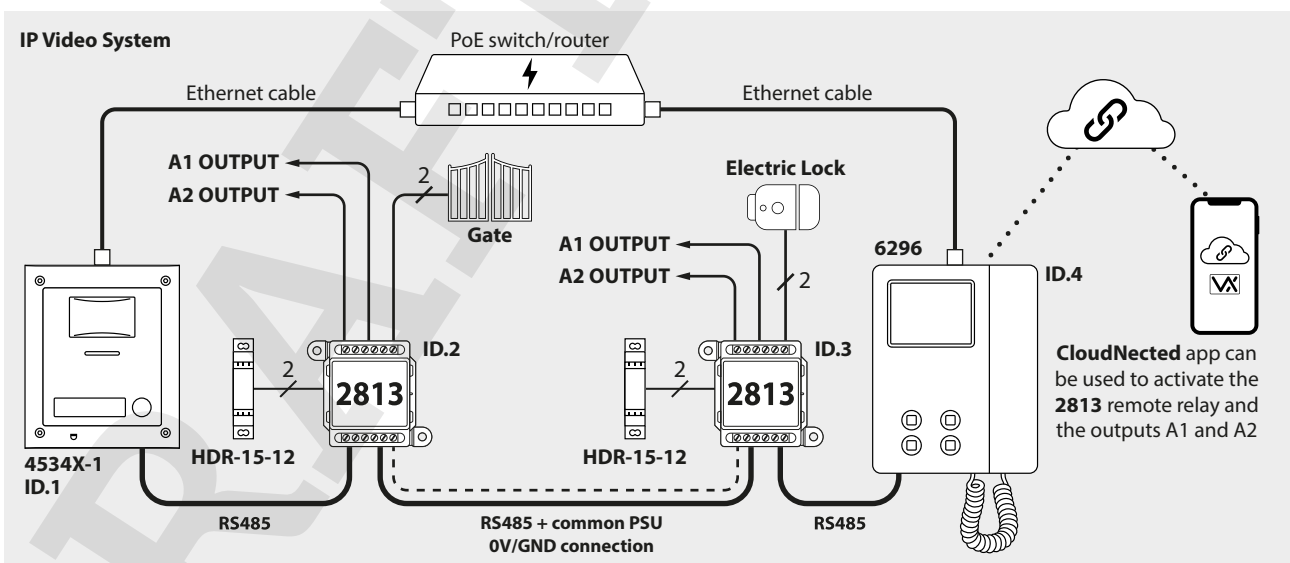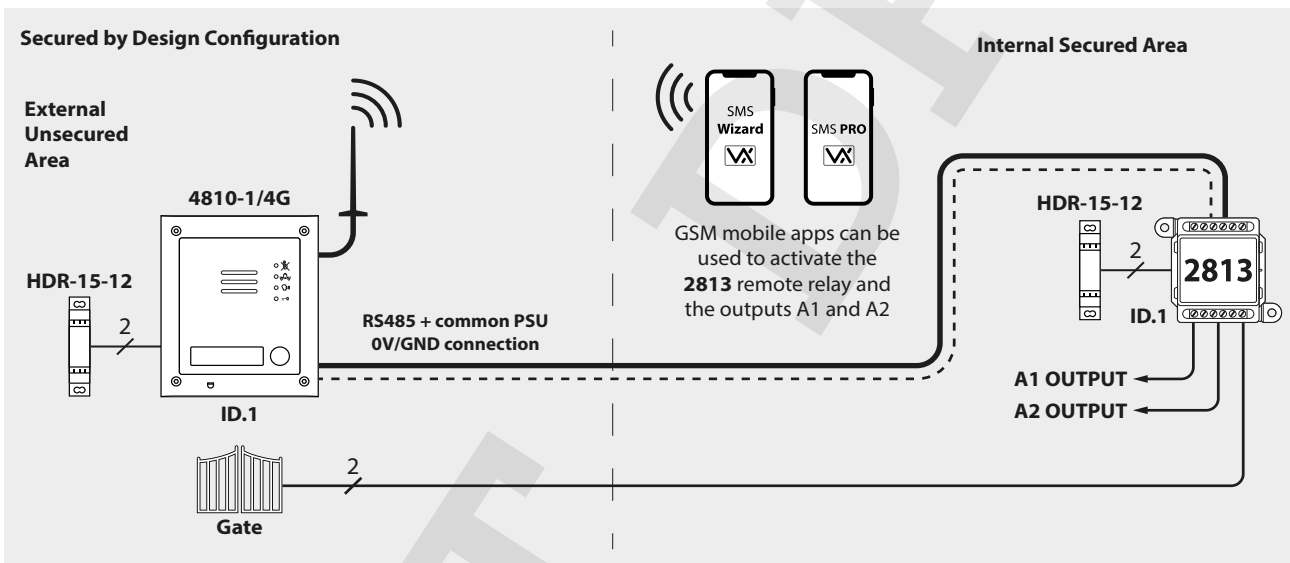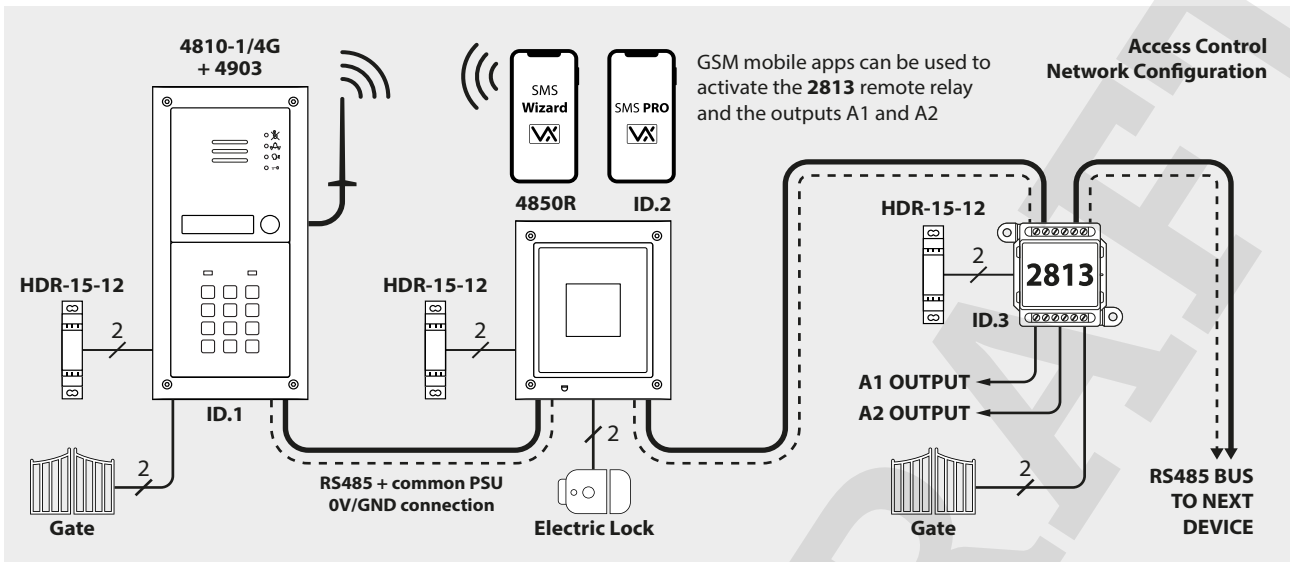
Main features

- 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

4810-1/4G + 4903

HDR-15-12

2

ID.1

2

Gate

SMS **Wizard**

SMS **PRO**

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

Access Control Network Configuration

4850R   **ID.2**

HDR-15-12

2

HDR-15-12

2

HDR-15-12

2

2813

ID.3

A1 OUTPUT

A2 OUTPUT

2

Gate

2

RS485 BUS TO NEXT DEVICE

RS485 + common PSU 0V/GND connection

2

Electric Lock

Secured by Design Configuration

Internal Secured Area

External Unsecured Area

4810-1/4G

HDR-15-12

2

ID.1

2

Gate

SMS **Wizard**

SMS **PRO**

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

HDR-15-12

2

2813

ID.1

A1 OUTPUT

A2 OUTPUT

RS485 + common PSU 0V/GND connection

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

2813

ID.2

2

HDR-15-12

2813

ID.3

2

HDR-15-12

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

4534X-1 ID.1

2

RS485

RS485 + common PSU 0V/GND connection

RS485