QVREX System extender

Installation Notes

Connection Terminals

When in **extender mode** the terminals functions are:

IN   Common BUS from lower range

OUT   Common BUS to next extender (if there is one)

OS   Not used in extender mode

PS   To power supply of next range

When in **block mode** the terminals functions are:

IN   Common BUS from main panel or previous block

OUT   Common BUS to next block (if there is one)

OS   Common BUS from local panel or lock relay

PS   Common BUS to local power supply

When in **repeater mode** the terminals functions are:

IN   Not used in repeater mode

OUT   Not used in repeater mode

OS   Common BUS in

PS   Common BUS out

Connection guidance

Please refer to the Entryphone "Schematics, connection diagrams and installation notes," and consult the Q Series reference wiring diagrams for detailed guidance on using the QVREX. These diagrams should have been included with the product or can also be found online at entryphone.co.uk/technical/wiringdiagrams/QV

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Description

The QVREX relay is designed for Entryphone Q series two-wire bus systems to enable installations with more than 32 monitors or for multi-block developments with a shared access point, such as gated communities.
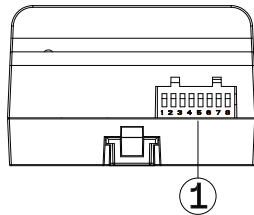
The QVREX offers three modes:

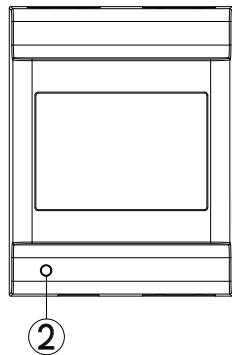**Extender Mode:** Supporting systems with more than 32 monitors.

Block Mode: This allows the monitors in each block to be called from their respective block entrances while also enabling each monitor to be called from a common entry point.

Repeater Mode: This mode supports systems with long cable runs (exceeding 100 meters). The QVREX amplifies the video signal to maintain picture quality on the monitors.
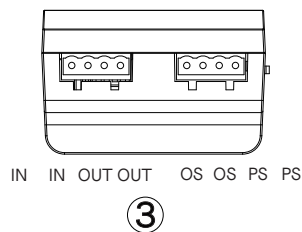
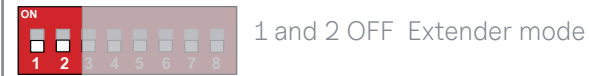## 1 - Settings DIP switch

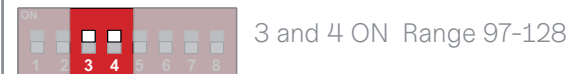①

2 - Power LED

②

3 - BUS connections

IN   IN   OUT OUT   OS   OS   PS   PS

③

DIP switch settings

Extender Mode

Switches 1 and 2 on the eight bit DIP switch determine the mode of the unit:

 1 and 2 OFF Extender mode

Switches 3 and 4 on the eight bit DIP switch determine the range of the monitor addresses.

 3 ON, 4 OFF Range 33-64

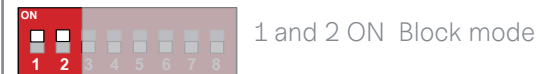 3 OFF, 4 ON Range 65-96

 3 and 4 ON Range 97-128

Switches 5, 6 and 7 are not used in extender mode

Note for the first range (1-32) of monitors a QVREX is not required

Block Mode

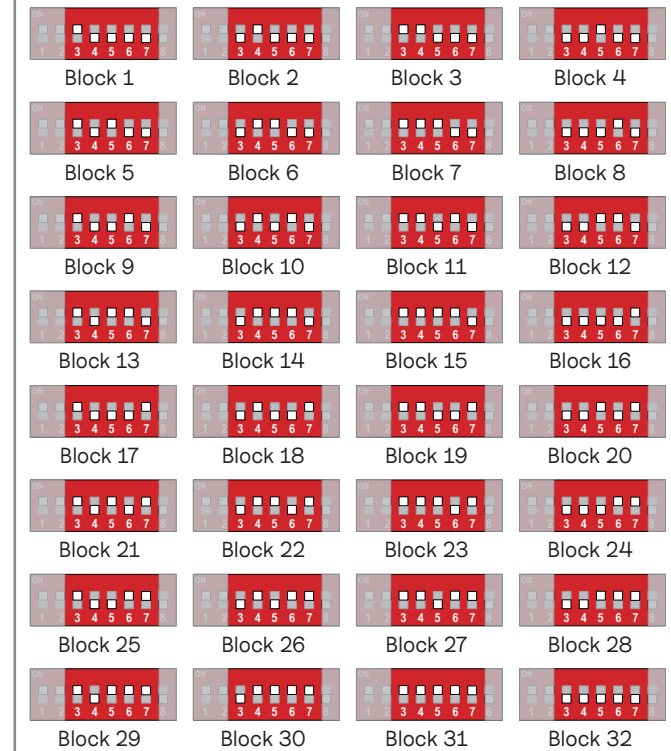**Switches 1 and 2** on the eight bit DIP switch determine the mode of the unit:

 1 and 2 ON Block mode

Switches 3 to 7 on the eight bit DIP switch determines the block number e.g.

 3 ON, 4-7 OFF Block 1 (see table)

Block mode cont...

Each block's address is set using a binary style address using switches 3-7 as below

Block 1	Block 2	Block 3	Block 4
Block 5	Block 6	Block 7	Block 8
Block 9	Block 10	Block 11	Block 12
Block 13	Block 14	Block 15	Block 16
Block 17	Block 18	Block 19	Block 20
Block 21	Block 22	Block 23	Block 24
Block 25	Block 26	Block 27	Block 28
Block 29	Block 30	Block 31	Block 32

Repeater mode

Switches 1 and 2 on the eight bit DIP switch determine the mode of the unit;

 1 OFF, 2 On Repeater mode

Switches 3-7 are not used in repeater mode.

End of line termination (in all modes)

Switch 8 on the DIP switch should be set at ON for line end and OFF for mid-line