Q Series Video
Larger systems reference diagrams

This document contains two diagrams illustrating the connection scenarios for larger and more complex installations using Entryphone Q series equipment.

System Limitations and Extender Relays
Without the inclusion of extender relays (QVREX), the Q series system supports a maximum configuration of four doors and thirty-two monitors. For systems exceeding these limits, it is necessary to incorporate one or more QVREX system extenders. These extenders must be properly connected and configured to ensure the system functions correctly. Please consult the QVREX Installer's Notes for detailed guidance on setting up the relays' DIP switches.

Diagram 1 - Multi-block
This diagram illustrates the necessary equipment and connections for a system configuration with two main entrances (front and rear) and door control for three internal blocks; Block 1 - one entrance, Block 2 - four entrances and Block 3: Two entrances

Each main entrance is equipped with digital dial panels capable of calling any monitor within the three blocks. Each block entrance has a door panel that can call a monitor within its respective block. All nine entrances feature lock relays, allowing residents to admit visitors: The front main entrance includes two lock relays: one for the vehicle gate and another for the pedestrian gate. The rear main entrance has one lock relay for the pedestrian gate.

Diagram 2 - System with more than 32 monitors
This diagram provides an illustration of all the equipment and connections required for an installation with more than 32 monitors. The first monitor range of up to 32 monitors are connected from the main system power supply without the need for an extender relay. The next range of up to 32 monitors (33-64) need to be connected beyond the QVREX extender relay which itself needs its own power supply to ensure there is sufficient power for the monitors in that range. In this illustration a third range is shown 65-97, a fourth range can be incorporated allowing a maximum of 128 monitors.

Please Note:

1. **Two-wire Bus Termination**
   To maintain system integrity, it is crucial to correctly terminate the BUS.

   For end-of-line equipment, terminate by placing a jumper link or, set the last switch on the DIP switch to ON.

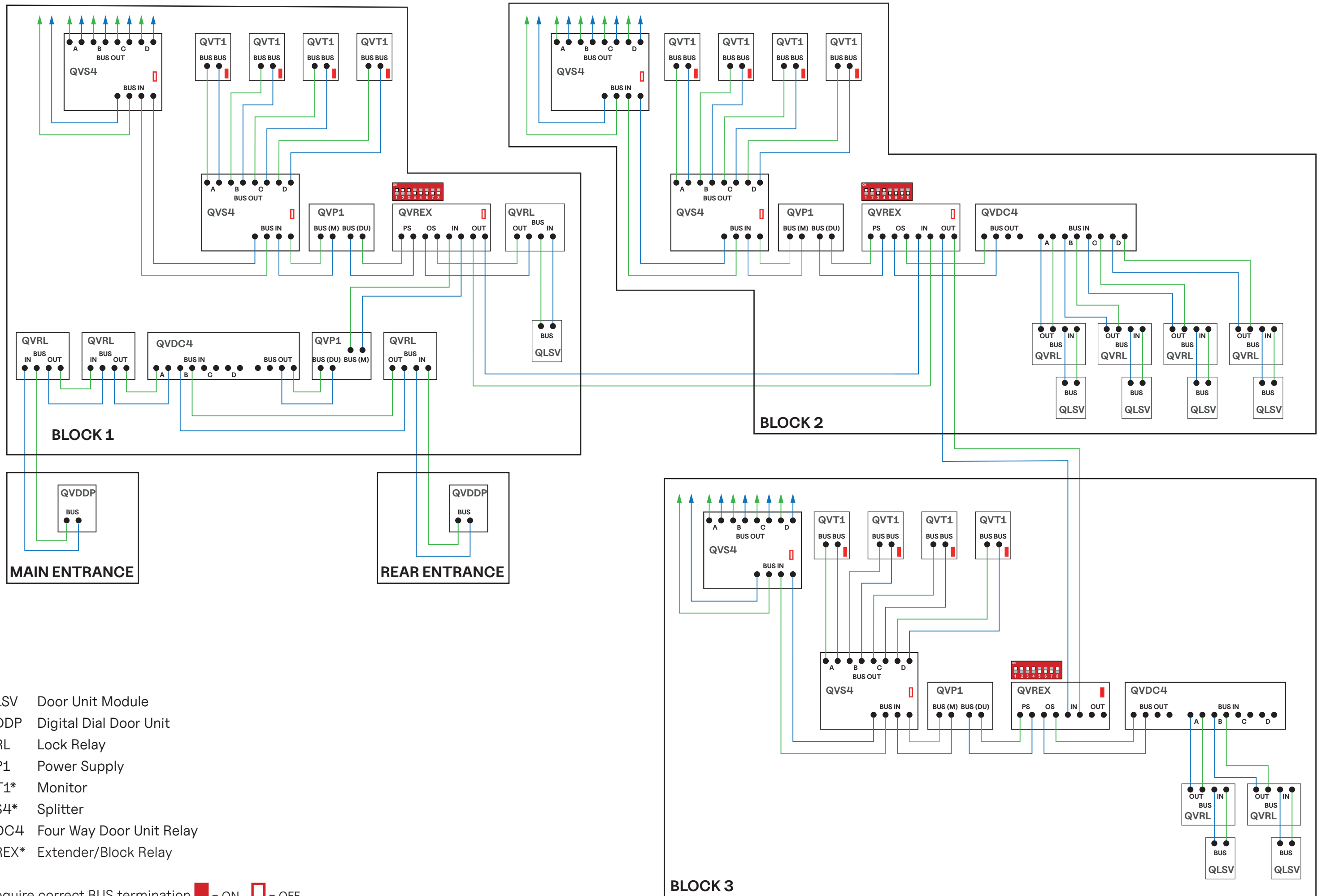   Mid-line equipment, omit the jumper link, or set the last DIP switch to OFF.

   ■ = ON   ▢ = OFF

2. **Lock Relay Connections**
   The schematics indicate the required lock relays (QVRL), but do not specify the locking devices nor their wiring. For examples of lock connections and guidance on setting release times, refer to the QVRL Installation Instructions.

3. **Apparatus Configuration**
   To ensure correct system operation, follow the specific installation and setting instructions for each device.
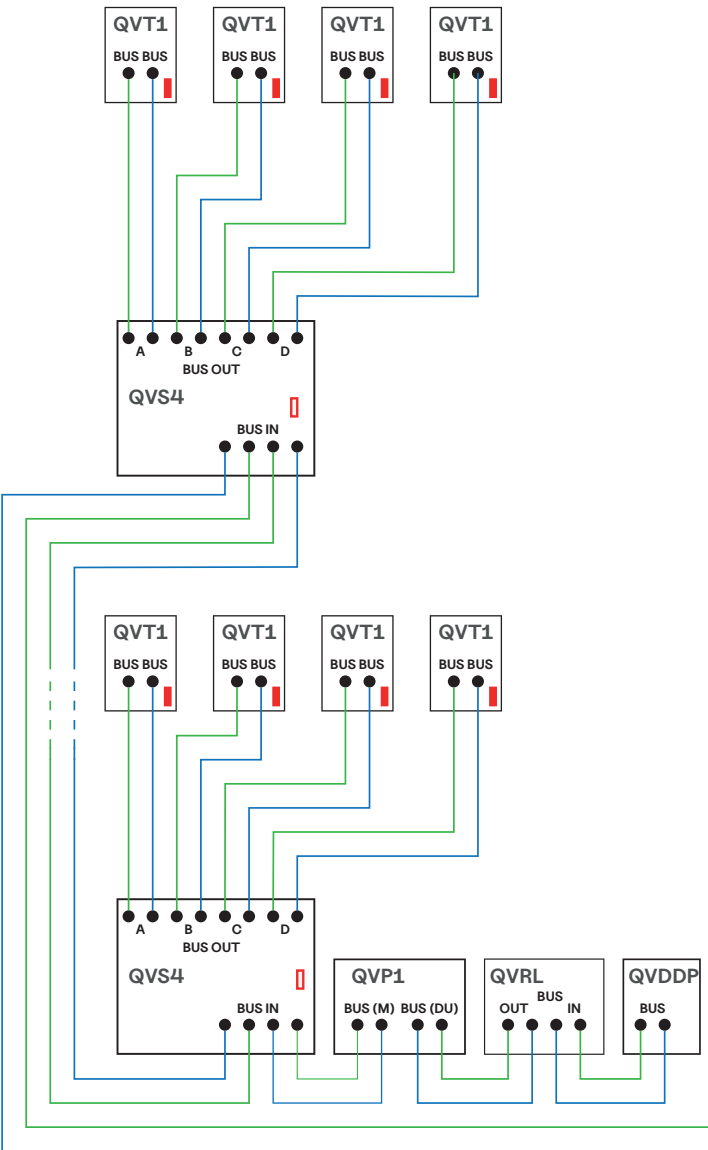
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Diagram 1 - Multi-block

BLOCK 1

BLOCK 2

BLOCK 3

MAIN ENTRANCE

REAR ENTRANCE

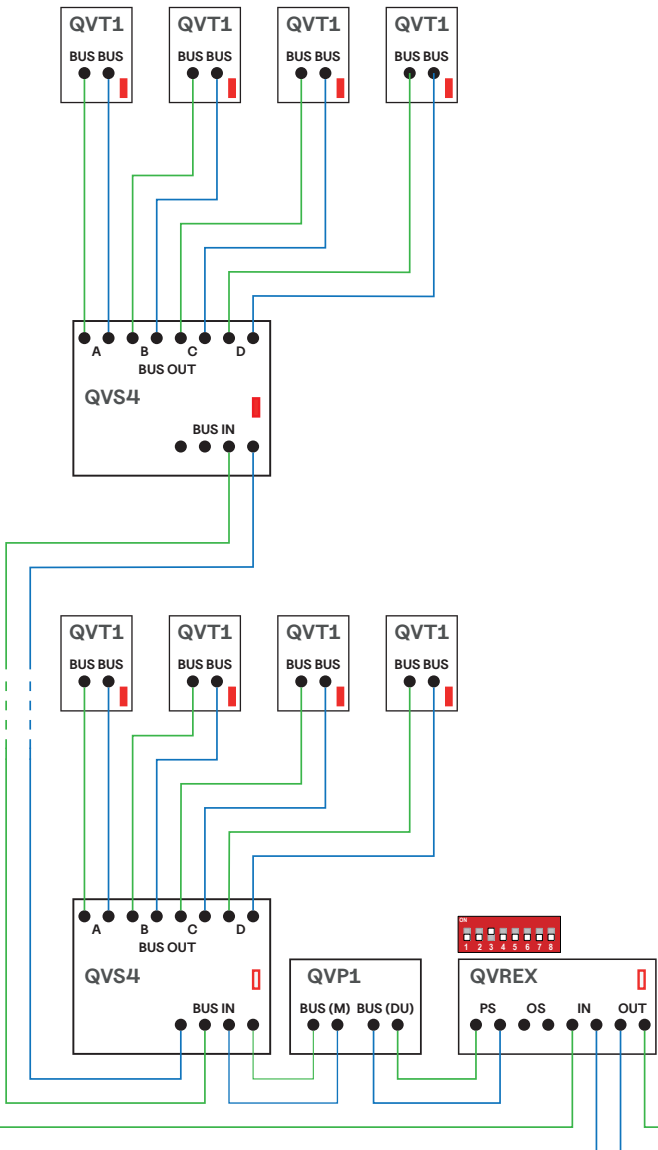| QVLSV	Door Unit Module
QVDDP	Digital Dial Door Unit
QVRL	Lock Relay
QVP1	Power Supply
QVT1*	Monitor
QVS4*	Splitter
QVDC4	Four Way Door Unit Relay
QVREX*	Extender/Block Relay

* Require correct BUS termination   ■ = ON   ☐ = OFF

Diagram 2 - System beyond 32 monitors

First range up to 32 monitors - 1-32

Second range up to 32 monitors - 33-64

Third range up to 32 monitors - 65-96