Videx 3171 Digital

Terminals (2 Wire)

L Data Line
- Common
LB Local Bell
AL Alarm Switched 0v
SW Aux Switch
SW Aux Switch

Set Dip Switches as per original (this is the address of the handset) Binary numbering

1 2 3 4 5 6 7 8 Dip switch number
1 2 4 8 16 32 64 128 Binary Number

Example (flat 12) 3 & 4 ON rest OFF

IMPORTANT NOTE :

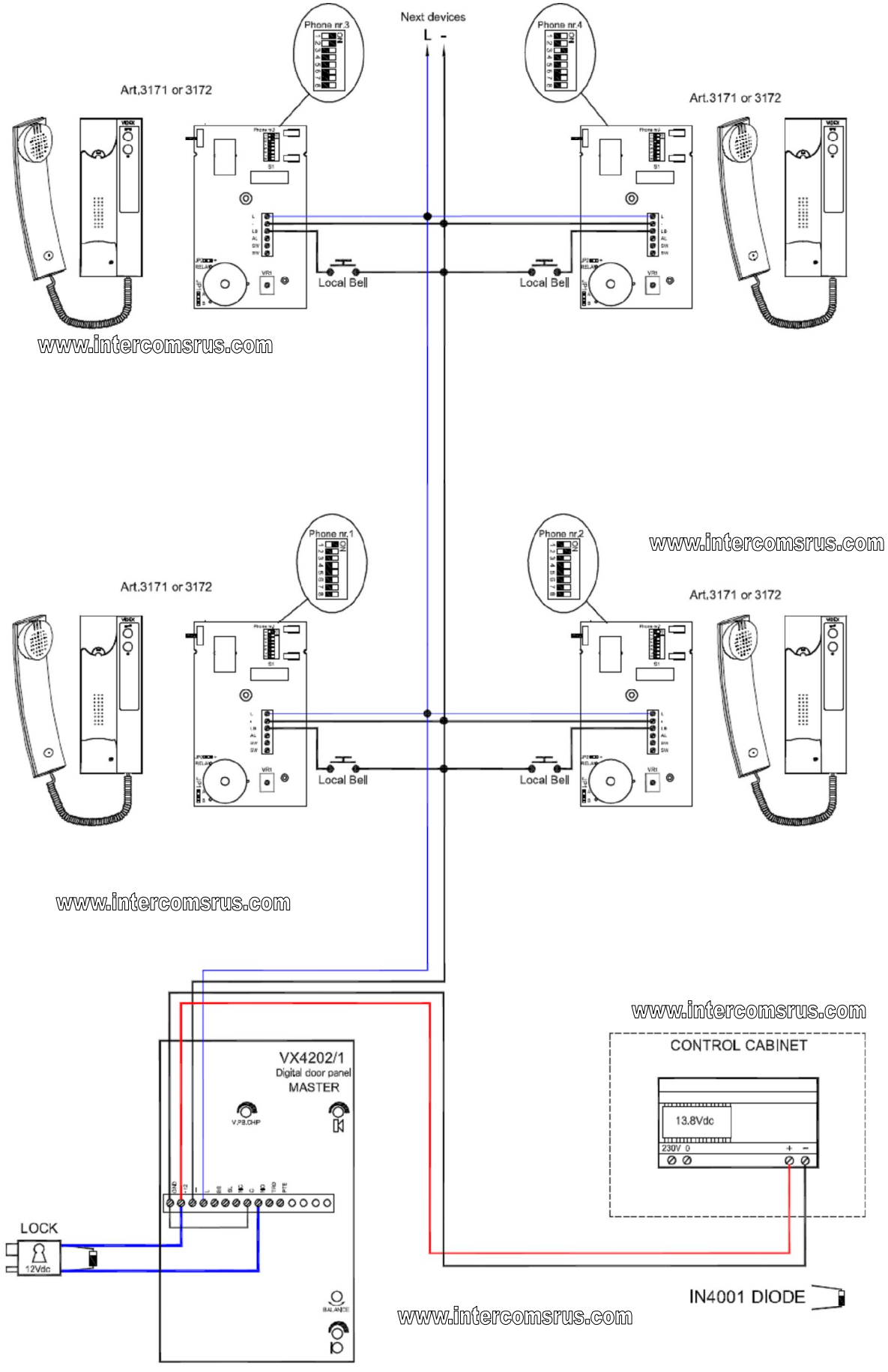
1) Before replacing the handset make note of the wires to each terminal on the existing unit (an easy way is to cut each core off leaving a piece of the insulation in place with colour visible) twist unused cores together (so you know they are not used, do not short them out).

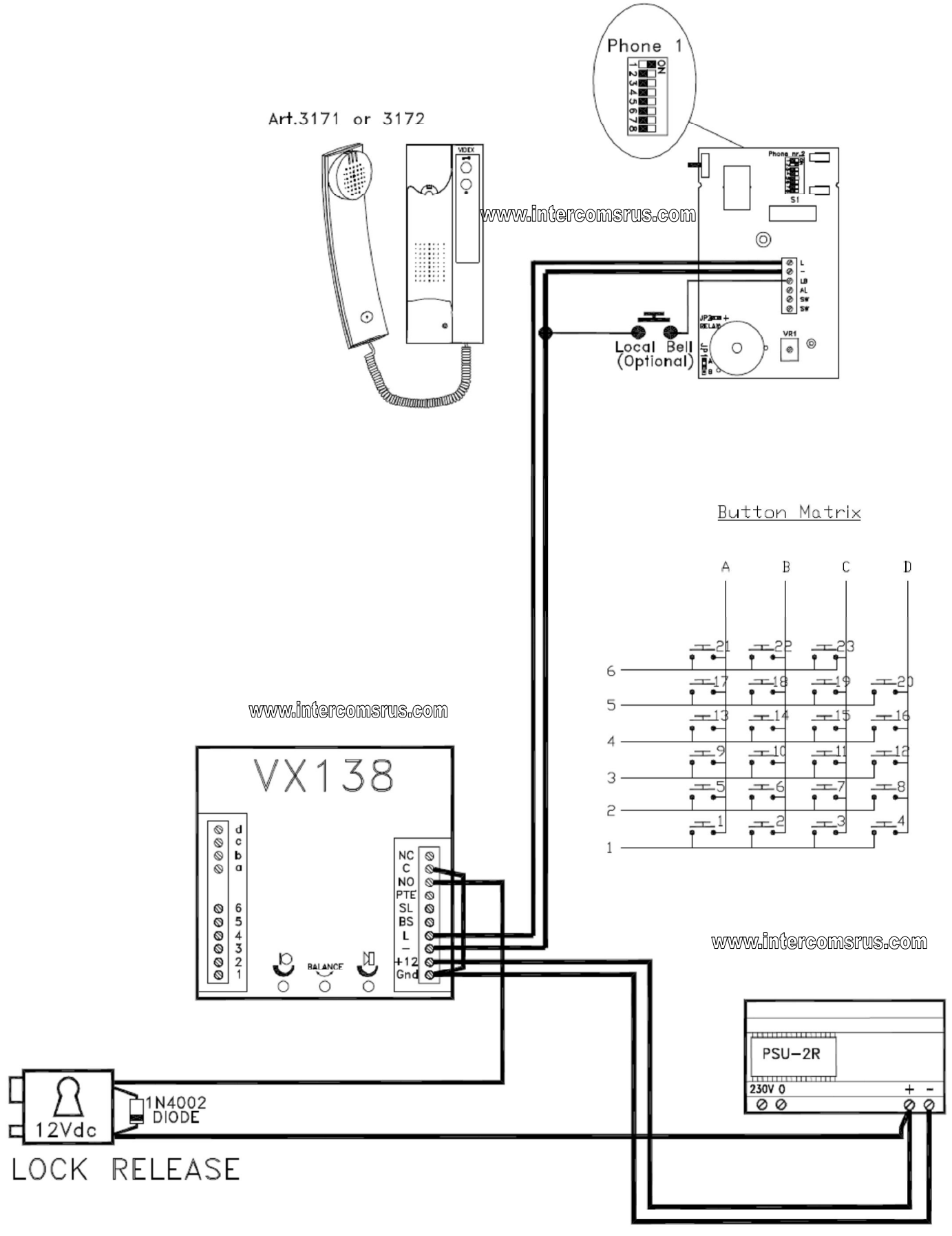
2) Some older systems will have cable with one coloured core and a solid white core in this case mark each core with a marker or tape.

3) Some systems may have loop on wiring, you will have 2 cables into your handset (make sure any joins remain, as these may be serving other flats on the system).

© 2010 www.intercomsrus.com

WIRING DIAGRAM





www.intercomsrus.com
www.intercomsrus.com
www.intercomsrus.com

TROUBLE SHOOTING GUIDE

PROBLEM FOUND	POSSIBLE CAUSE	POSSIBLE SOLUTION
The system has power but the front panel does not turn on.	1. Interruption or short circuit of the 13Vdc output on PSU to the outdoor station; 2. PSU defective or fuse blown.	1. Check the GND and +13V connections on PSU and on panel, then check the protection fuse on the output of PSU and change it if necessary; 2. Check PSU output with and without load.
Front panel display shows "ERROR" and the unit makes acoustic intermittent signals at intervals of approx. 2 seconds.	1. Probable short circuit on the BUS "—"and "L" line; 2. Reversion of polarity on the BUS connection of a phone, videophone or accessory; 3. Panel programmed as "Slave" when it should be as "Master".	1. Check the BUS connections. 2. Check the polarity of the devices connected. 3. Configure the device as "Master"
The system, at the moment of the call, is not able to let the extension ring, the front panel makes acoustic signals of line engaged and the display shows "Error".	1. The phone or videophone called is not correctly connected; 2. The cable size (BUS) is to small; 3. The address programmed on the dip-switch (of the phone, videophone or accessory) does not correspond to that called; 4. The concierge (if present in the system) has been left in programming mode.	1. Check the connection of the BUS 2. Double or increase cable size; 3. Check that the address associated to the call corresponds to that programmed on the dip-switch of the phone (videophone or accessory); 4. Remove concierge from programming mode.
The outdoor station makes the call correctly, but when the user answers, the communication is cut off.	The cable size is too small.	Double or increase cable size
During the conversation, when the door is opened, the communication is cut off.	The cable size is too small.	Double or increase cable size
The calls goes through, but the conversation is one-way only.	The supplying voltage on the outdoor station is too low (under 10.5V).	Increase the supply cable size (GND & 13V). Check voltage output on PSU and adjust if necessary.
The audio level of conversation is too low.	The levels of the conversation volumes in both directions are not appropriately adjusted or balanced.	Adjust on the outdoor station trimmers for microphone and loudspeaker so as to have the best levels without oscillations (Larsen effect)
The audio level is at its limit or oscillates (Larsen effect).	The "Balance" trimmer (outdoor station) is not appropriately set and/or the conversation volumes are programmed to high.	Adjust on the outdoor station the "balance" trimmer until the problem is solved and/or lower the volumes of the microphone and loudspeaker.
The door release is not working.	1. Lock defective; 2. Connection wrong or interrupted; 3. Cable size to small; 4. Lock PSU faulty.	1. Change the lock; 2. Check connection continuity; 3. Increase cable size; 4. Check power supply output;
The local floor call does not work.	1. Call push button defective; 2. Connection wrong or interrupted.	1. Check defect; 2. Check connection.
The internal video stations do not turn on.	1. Art.893N power supply defective or in protection; 2. Art.893N is not operated by the outdoor station during the call (SL terminal); 3. Connection wrong or interrupted.	1. Check 893 with and without a load; 2. "-C" terminal of art.893N not correctly connected to the "SL" terminal of the outdoor station; 3. Check the continuity of the connection between the monitor supplying wires and the videophones interested.
The internal video stations turn on, but the image does not appear.	1. Art.830NC video camera not supplied or defective; 2. Connection of the V1-V2 signals interrupted or wrong. 3. Video dip-switches on monitor or jumpers on camera incorrectly positioned	1. Check and/or change art 830NC; 2. Check connection continuity. 3. Check all dip-switches and jumpers.
The internal video station turns on but the quality of the image is bad or reflected.	1. Signal V1 or V2 not connected or in short circuit; 2. V1 & V2 signals inverted; 3. Closing resistances are missing at the end of the BUS video. 4. Dip-switches or jumpers on monitor or camera not correctly positioned	1. Check the continuity of the connection and the isolation to the ground; 2. Check and in case invert the connections; 3. Check and in case apply the closing resistances on the BUS video. 4. Check dip-switches and jumpers.