

EXICENT

Inputs Interface on bus.



Main features :

Size: 90x53x70 mm / 3 modules rail DIN

Weight: 0,105 kg

Consumption when used with a standard electrical flow: 17 mA

Presentation and functionalities

The EXICENT can be connected with up to 32 push-buttons. The connection between the devices is obtained with a cable containing 2 wires. The linking follows a BUS topology, which means that the cable starts from the EXICENT and goes from one point to the other.

Behind each push-button, an electronic « chip » is placed (ID-DOMO – ID-QUATTRO). The dimension of the chip is very small: only a few millimeters. This « chip » fits to all push-buttons, whatever the brand.

The EXICENT makes it possible to have different functions: « teleruptor (push : on / push :off) », « dimmer » (short press: switch on/switch off, long press: variation of the lightning), 2 « stop-everything » functions and 3 « time-switch » functions.

Connection between interfaces

The EXICENT is linked with the other interfaces thanks to a bus made of 4 wires called the « RS-485 bus ». This bus is largely used in the industrial and the service sector because it is robust and reliable. The space between the different interfaces cannot be bigger than a 1 kilometer.

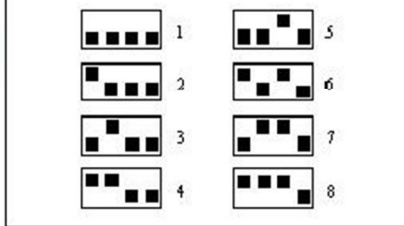
MiniDo can support up to 8 EXICENT. This means a maximal capacity of 256 inputs on the bus.

EXICENT: TECHNICAL DESCRIPTION

Yellow led :

1. When it is turned on, the led will flash as many times as the firmware version (for example: 6 flashes = 6th version).
2. When used normally, if a push-button is blocked, the led will flash as many times as the position of the blocked push-button on the EXICENT (1 to 32).
3. If the EXICENT is full (32 push-buttons already in its memory) and that you try to put a 33th button, the led won't stop flashing to show you that the memory of the exicent is full. You just have to switch off the power-supply and then to put it back in order to stop the flashing.

Position des dip-switches d'adressage



The 5th dip-switch must stay on OFF
 The 6th dip-switch on ON = recyclable time-switch
 The 6th dip-switch on OFF = time-switch+ téléruptors (= functioning of the old model)

Flashing red led: shows that a piece of information is sent from the EXICENT to the RS-485 bus.

Flashing green led: shows the activity of the RS-485 bus (visible when the bus is tested).



RJ12 connection for RS-485bus

Connector for bus of the buttons

Screw connection for RS-485 bus

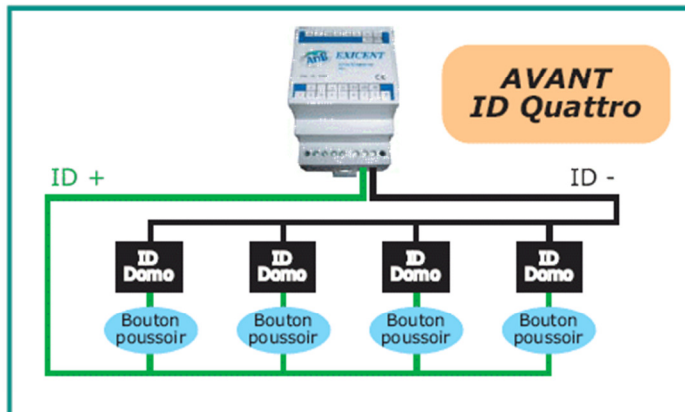
Reset of the EXICENT: switch-off the power-supply, put the 6 dip-switches on ON, put back the power-supply, the 2 top yellow leds and the dip-switches will flash. By the end of the flashing, the reset his completed. Then, the correct address must be given to the dip-switches.

2 physical supports are available for the linking of the push-buttons with a common mass (ID1 and ID2, common mass: ID-). This can be useful if you have two bus segments that must link.

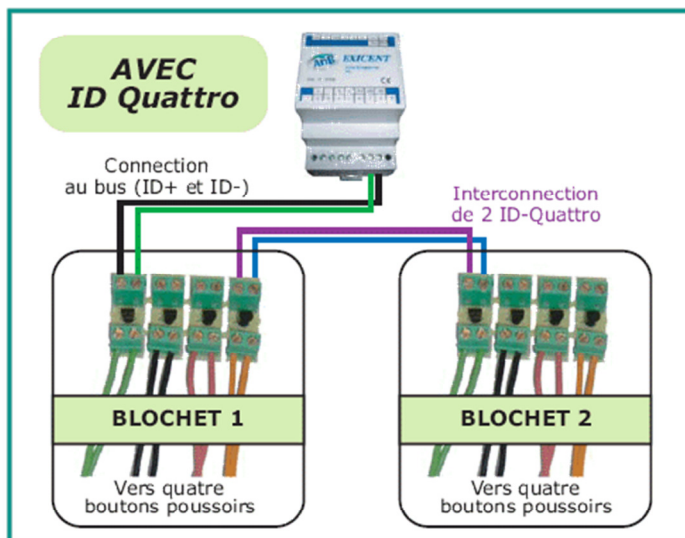
Maximal distance: 100 meters per bus (tested with a UTP cable 5th category and with alarm cable, **WITHOUT** doubling the wires!!!)

You must never double the wires of the bus of the push-buttons! Even if the bus measures 100 meters!

EXICENT : connection principles



Be careful with the polarity:
the dark wire of the
identification is ID- and the
green wire is ID+!!!



EXICENT:
Up to
32 INPUTS

Multiple push-buttons with a « common space»

Relier un seul des fils de gauche au commun du bloc de boutons poussoirs multiples. Couper éventuellement les autres pour ne pas encombrer le blochet. Relier également tous les fils de droite aux différents retours des boutons poussoirs individuels.

