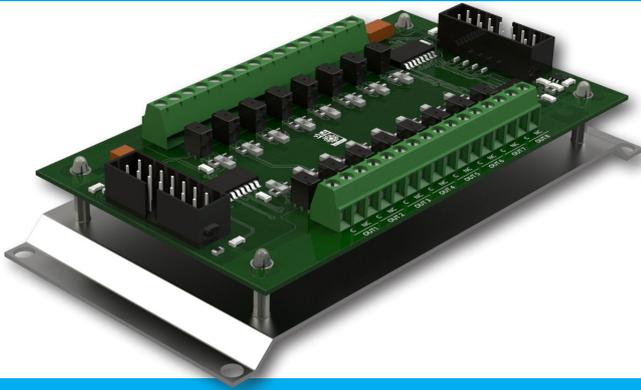


16-RELAY EXPANSION BOARD



COMPLIANCE

- Direttiva 2014/30/EU
- EN 50130-4/A1
- EN 61000-6-3/A1



TECHNICAL FEATURES

- **DIMENSIONS:** 130 x 64 x 29 mm (L x H x W)
- **PACKAGING DIMENSIONS:** 145 x 70 x 67 mm (L x H x W)
- **GROSS WEIGHT:** 78 g
- **POWER SUPPLY:** from CONTROLLER XENSITY, FUSION or SERIR P2P
- **CURRENT:** 30 mA (max)
- **OPERATING TEMPERATURE:** -25 ÷ +80 °C
- **RELATIVE HUMIDITY:** <95% non condensing
- **C/NC RELAY OUTPUTS:** 16-relay outputs programmable from Controller board
- **CONNECTION:** 14-way connector for by flat cable

P/N BR-XS-16L

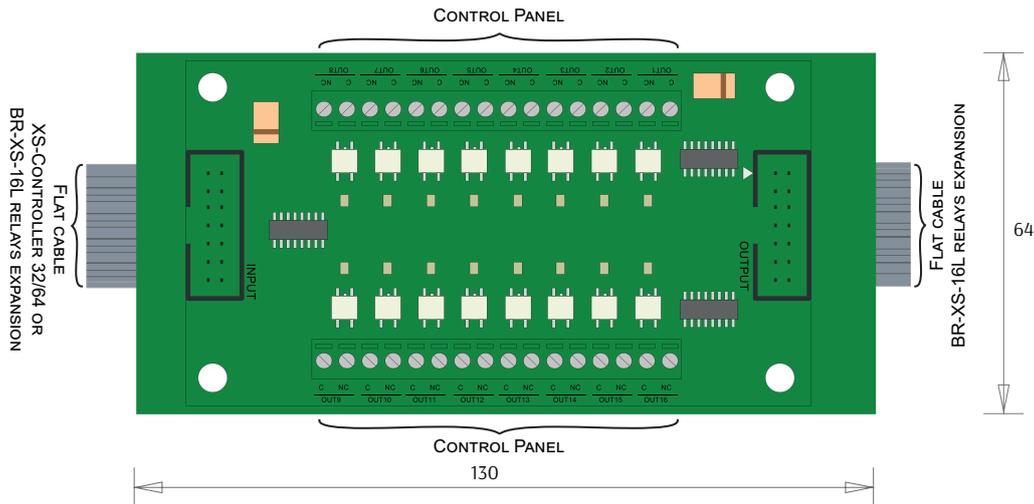
DESCRIPTION

16-relay expansion board to make the alarm signals available through C/NC contacts. All the relay outputs can be programmed via software from XENSITY (BR-XS-CTRL32/64), SERIR P2P (BR-SRP2P-CTRL) e FUSION P2P (BR-FSP2P-CTRL) CONTROLLER boards.

PACKAGING CONTENT

In addition to this datasheet, the package contains 16 relay expansion board and screwdriver.

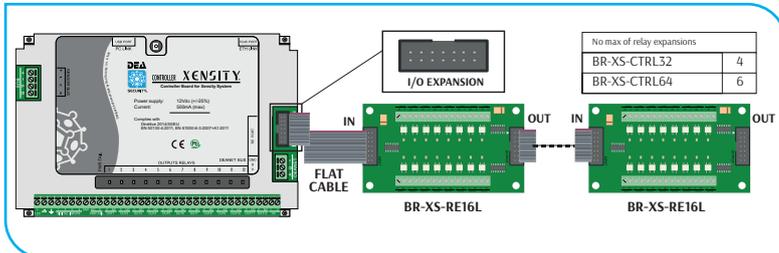
GENERAL SCHEME



CONNECTION

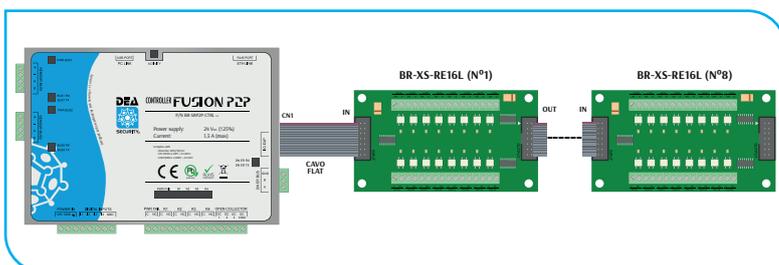
XENSITY CONTROLLER

The INPUT port of BR-XS-RE16L must be connected to CN1 (I/O EXPANSION) port of the BR-XS-CTRL32/64 board using a 14-pin flat cable. Further relay expansions must be connected in cascade to the previous expansion maintaining an OUTPUT-INPUT correspondence. BR-XS-RE16L boards can be managed only from BR-XS-CTRL32 and BR-XS-CTRL64 controller boards. Each BR-XS-CTRL32 can manage up to 4 BR-XS-RE16L (64 programmable relays). Each BR-XS-CTRL64 can manage up to 6 BR-XS-RE16L (96 programmable relays). The distance between BR-XS-CTRL32/64 Outputs or BR-XS-RE16L Outputs and the CONTROL PANEL must not exceed 3 m..



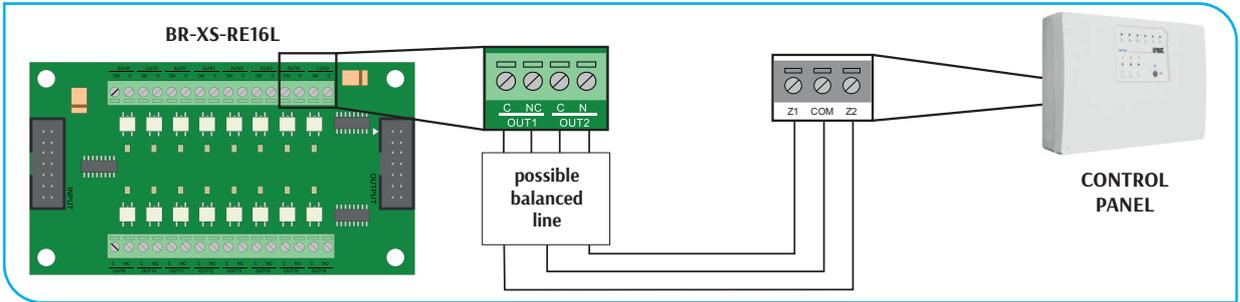
SERIR P2P OR FUSION P2P CONTROLLER

The SERIR P2P or FUSION P2P CONTROLLER can be equipped with relay expansions through the connection of the BR-XS-RE16L boards, interfaces for the transfer of signals on C/NC/NO exchange contacts, each equipped with 16 relays. These relay expansions are connected to the CONTROLLER by means of a flat cable, thanks to which they are also powered. Each CONTROLLER can manage up to a maximum of 8 BR-XS-RE16L for a total of 128 configurable relays.



CONTROL PANEL

To connect XENSITY system to the control panel you can use BR-XS-CTRL32/64 or Relay Expansion Outputs. The outputs are wired directly to the zones of the control panel (if supported) or through a balanced line. The maximum distance between the relay outputs and the alarm control inputs must not exceed 3 m.



DEVICE AND RELAY EXPANSIONS ACQUISITION

Once terminated sensors and relay expansion boards installation, connect sensor buses and expansions to BR-XS-CTRL32/64 controller. It is necessary to proceed with the acquisition of the various devices available in the XENSITY buses. For the first acquisition use only a wired connection with XENSITY, SERIR P2P o FUSION P2P CONTROLLER. The wireless connection is not recommended at this early stage.

- Enter Login credentials (default username: installatore, default password: dea, default board password: 123456) and Enter Configuration mode.
- Acquire sensors and peripheral devices clicking on Controller Icon in the tree shown in "Available Sensors" windows and clicking "Acquisition" button.
- Once finished loading, expand the branch of the bus tree to see all the devices Connected, repeat for each bus. To acquire relay expansions, select the label "Relay Board" and click "BR-XS-RE16L Acquisition" button.
- Once finished loading, expand the branch in XS-ER16L node to see all the expansions connected.



RELAY CONFIGURATION

Once acquired the expansion boards, you can associate each relay to one or more activation causes. To do this double-click on the desired expansion board and drag and drop an object of the left windows on the relay to program in the right window. For further information, refer to each CONTROLLER Software Manual.

N.B.

YOU MUST INSTALL BR-XS-RE16 BOARD INSIDE A CASE PROTECTED AGAINST OPENING (E.G: POLYESTER CABINET JUNCTION BOX, ETC.) THE OUTDOOR INSTALLATION IS POSSIBLE ONLY USING A WATERPROOF CABINET. TO USE THE APPARTUS OUTSIDE THE TEMPERATURE AND HUMIDITY RANGE DECLARED IT IS NECESSARY TO PROVIDE THE AIR CLIMATIZATION TO THE CABINET. DEA SECURITY RECOMMENDS TO SUBMIT ALL PRODUCTS TO PERIODIC FUNCTIONAL CHECKS TO IMPROVE MAXIMUM EFFICIENCY OF THE SYSTEM.

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