



PC(I)4000 electrical interface modules mounting with splitter box BR400, BX4010 or BX4010R

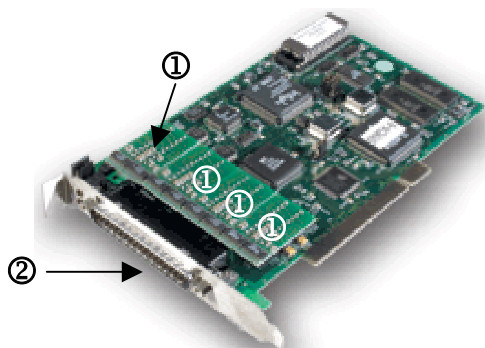


If you intend to use applicom® PCI4000 or PC4000 card with a BR4000, BX4010 or BX4010R splitter box, please read this carefully.

You just purchased a splitter box to be used with the applicom® PCI4000 (PCI bus) or PC4000 (ISA bus) card and we thank you. The PC(I)4000 offers you 4 serial ports connectivity to connect your software application to your industrial devices through Serial protocols like Modbus, Uni Telway, 3964, ...

By default, the PC(I)4000 is delivered with four RS485/422 electrical interface modules (product ref. "5RS485") pre-mounted on the card.

Follow the instructions below for a correct electrical interface modules mounting.



PCI4000 or PC4000 card

The card may be mounted with 5RS485, 5RS232, 5BC20 5PFB485 modules. If this is the case and you intend to use BR4000, BX4010 or BX4010R, read the following instructions.

①: Interface modules used to determine the transmission type of each channel :

1. a with BR4000 or without splitter box.

Ref. : 5RS232, 5RS485, 5BC20, 5PFB485(**pre-mounted by default**)

Ref. : 5PFB485 : RS485 PROFIBUS (optional for fiber optics transmission).

1. b with BX4010 / BX4010R splitter box.



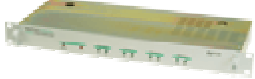
Junction module (3AMP5) to be mounted on the card.

The other electrical interfaces (5RS485, 5RS232, ...) must be plugged on the BX4010/BX4010R box.

② : Male 37-pin Sub D for BR4000, BX4010 or BX4010 connection.

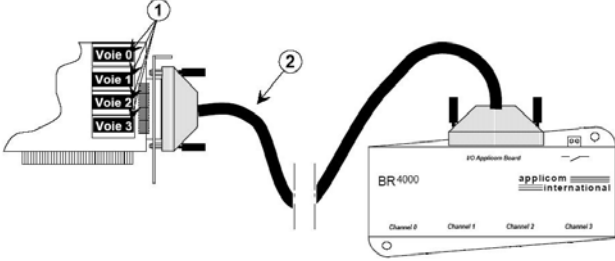
*By default, the card is pre-mounted with 4*5RS485 electrical modules.*

Four Serial ports splitter box available

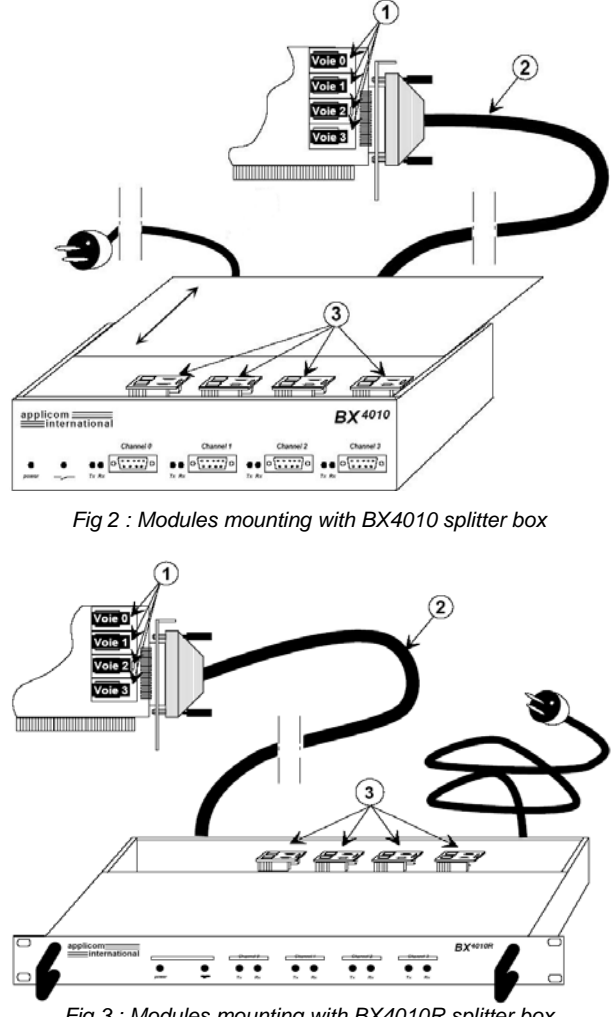
Product	Galvanic insulation	Description
Product : BR4000 Part number : APP-SBX-BRD 	No	BR4000 is a "Ready to use" splitter box and will not require specific module mounting. Part number also includes 37-pin cable (1,5 m length.) <i>See BR4000 connection on the back page</i>
Product : BX4010 Part number : APP-SBX-BXD  Product : BX4010R Part number : APP-SBX-BXR 	Yes	a- BX4010: Desktop splitter box. <i>See BX4010 connection on the back page.</i> b- BX4010R: rack 19" 1U format splitter box. <i>See BX4010R connection on the back page.</i> Part number also includes: - 37-pin connection cable (1,5 m length), - 220V power cord, - in a separate package : four "3AMP5" junction modules to plug on the PC(I)4000 card.



A. BR4000 modules mounting with PC(I)4000 card

Description	Notice
 <p>Fig 1 : Modules mounting with BR4000</p>	<p>① Electrical interfaces must be plugged on the PC(I)4000 card : 5RS232, 5RS485, 5BC20, 5PFB485.</p> <p>② 37-pin connection cable (length 1.5 m) supplied with BR4000 box.</p> <p>There is no module to plug into the BR4000 box. This is a "ready-to-use" splitter box. The electrical interfaces must be plugged on the PCI4000 card itself.</p>

B. BX4010 or BX4010R modules mounting with PC(I)4000 card

Description	Notice
 <p>Fig 2 : Modules mounting with BX4010 splitter box</p> <p>Fig 3 : Modules mounting with BX4010R splitter box</p>	<p>① Junction amplifier module. Ref: 3AMP5 (supplied with BX4010 or BX4010R ref.) must be plugged on the PC(I)4000 card.</p> <p>② 37-pin cable (supplied with BX4010 or BX4010R box). Length 1.5 m.</p> <p>③ Electrical Interface modules must be plugged in the BX4010 or BX4010R box. Ref. : 5RS232, 5RS485, 5BC20, 5PFB485</p> <p>FULL PACKAGE DESCRIPTION, split in 3 packages</p> <p>* Package 1 includes :</p> <ul style="list-style-type: none"> - PC(I)4000 card - 4*5RS485 electrical interfaces plugged on the card. - 1 CD-ROM for the software installation. <p>* Package 2 includes :</p> <ul style="list-style-type: none"> - BX4010 or BX4010R splitter box - 37-pin connection cable (1,5 m length), - 220V power cord, <p>* Package 3 includes :</p> <ul style="list-style-type: none"> - 4*3AMP5 junction modules (to install on the PC(I)4000 card) <p>⚠ Electrical Interface mounting procedure ⚠</p> <p>If the PCI4000 is pre-mounted with electrical modules like "5RS485" (by default), or "5RS232" or "5BC20" or "5PFB485", you must:</p> <ol style="list-style-type: none"> a. unplug these 4 modules from the card b. open the splitter box c. plug the modules (5RSxxx, 5PFB485 or 5BC20) from the card in the BX4010 or BX4010R box d. plug the 4* "3AMP5" amplifier junction modules on the PC(I)4000 card.

Important : Never plug electrical interfaces modules with galvanic insulation (ref. : 6RS232, 6RS485 or 6PFB485 on the PC(I)4000 or in the BX4010® splitter box.

If you need more details, please consult the electrical documentation (PDF format) included on the applicom® CD-ROM.

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