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SCS interface for address extension

F422A

Description

2-module DIN interface between SCS BUS-based systems, only intended for the logic expansion of the address extension, rather than all the functions supported with the F422 version.

It can be used with both F460 and F461 servers and Classe 300EOS with Netatmo.

Each interface can add 175 addresses, with a maximum of 2 interfaces allowed for the installation (F460 and F461 with max 2 F422A; Classe 300EOS with max +1 F422A). With this device, it will be possible to exceed the current limit of 175 addresses and configure large installations with up to 525 addresses.

The interface allows communication between different BUS systems. The interface is equipped with two BUS terminals called IN and OUT, and on the front there is a C button and a LED that indicates:
- correct power supply and configuration (on steady)
- BUS missing (off)
- missing or incorrect configuration (flashing).

The device can only operate in logic expansion mode and allows the number of devices of 175 of a standard system to be increased.

NOTE: It must be remembered that the two BUS connected to it constitute for all intents and purposes two systems, and as such they must be subject to all the applicable sizing and installation rules.

NOTA: The address extension function is available and supported only by Classe 300EOS, MyHOME F460 and F461 servers.

In case of existing installations with the MHS1 server, it is possible to guarantee the system upgrade and functional extension through the backup & restore function directly from H+P, without having to reconfigure the system from scratch.

Front view
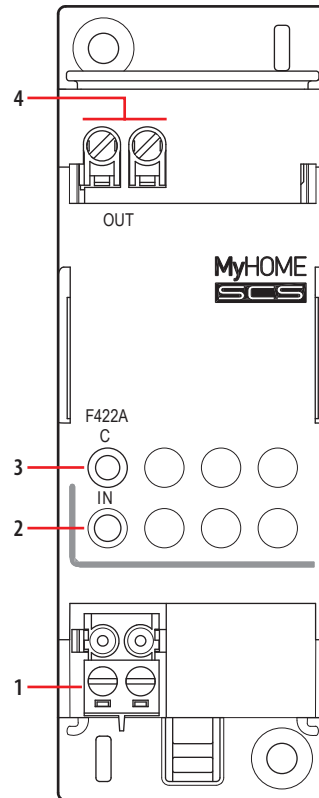
Technical data

BUS SCS input

Power supply IN/OUT:	18 – 27 Vdc
Absorption IN:	8 mA
Absorption OUT:	6 mA

Legend

1. BUS SCS IN connection clamps

2. BUS SCS notification LED
   Orange LED steady = powered and configured device (IN clamp)
   Orange LED flashing = powered but not configured device (IN clamp)
   LED off = not powered device (IN clamp)

3. Do not use

4. BUS SCS OUT connection clamps

Dimensional data

Size: 2 DIN modules.

Control compatibility on different lines

Not all controls can operate actuators located on a different line from their own. Please refer to the table with the exclusively compatible devices for details.

Description	Code	Possibility of controlling actuators on all lines	Possibility of only controlling the actuators on the own line
BUS 8-key command	LG-067592	YES	YES
	BT-LN4652		
BUS shutter command	LG-067558	YES	YES
	BT-LN4660M2		
Special command	LG-067553	YES	YES
	BT-L4651M2		
	BT-H4651M2		
Basic contact interface	BT-3477	YES	YES
DIN contact interface	BT-F428	YES	YES
3 m touch command	LG-573912	YES	YES
	LG-573913		
	BT-HC4657M3		
	BT-HD4657M3		
	BT-HS4657M3		
4 m touch command	BT-HC4657M4	YES	YES
	BT-HD4657M4		
	BT-HS4657M4		
2 m command	BT-K4652M2	≥ 24W04	YES
	BT-Y4652M2	YES	YES
	LG-MX5222	YES	YES
3 m command	BT-K4652M3	≥ 24W06	YES
	BT-Y4652M3	YES	YES
	LG-MX5223	YES	YES
Actuator/control for shutter	BT-K4672M2S	≥ 24W07	YES
	BT-Y4672M2S	YES	YES
	LG-MX5220	YES	YES
Attuatore/comando per luci e carichi	BT-K4672M2L	≥ 24W03	YES
	BT-L4651M2	YES	YES
	BT-H4651M2	YES	YES
Light control	BT-KW8010	≥ 24W03	YES
	BT-KM8010	≥ 24W09	YES
	BT-KG8010	≥ 24W09	YES
Full control	BT-KW8011	≥ 24W04	YES
	BT-KM8011	≥ 24W09	YES
	BT-KG8011	≥ 24W09	YES
2 m basic command	LG-067552	NO	YES
	BT-H4652/2		
	BT-L4652/2		
	BT-AM5832/2		

Description	Code	Possibility of controlling actuators on all lines	Possibility of only controlling the actuators on the own line
3 m basic command	LG-067554	NO	YES
	BT-L4652/3		
	BT-H4652/3		
	BT-AM5832/3		
Command actuator	LG-067554	NO	YES
	BT-L4652/3		
	BT-H4652/3		
	BT-AM5832/3		
BUS Dual Tech Green Switch	LG-067226	NO	YES
	BT-L4658N		
	BT-N4658N		
	BT-NT4658N		
	BT-YW4658		
	BT-YD4658		
	BT-YG4658		
	LG-AC5220MW		
	LG-AC5220MB		
PIR BUS circuit breaker	BT-L4659N	NO	YES
	BT-N4659N		
	BT-NT4659N		
PIR ceiling mounted sensor	BT-BMSE3001	NO	YES
PIR+US double technology ceiling mounted sensor	BT-BMSE3003	NO	YES
Voice control	BT-KW8013	NO	YES
	BT-KM8013		
	BT-KG8013		

Configuration

The interface can only be configured using the Home + Project app, through a system scan.
For device configuration and installation and for any other information, refer to the App or documentation that can be downloaded from the website:

www.homesystems-legrandgroup.com

Download App

+

Home + Project

•ANDROID: it requires Android 5.0 or later with access to Google Play

Google Play

•iOS: it requires an iPhone running iOS 12.0 or later

App Store

"Logic expansion" operating mode

This mode makes it possible to separate control systems, each of which can then make use of all available addresses. On an automation BUS, it is therefore possible to connect several systems, for each of which all 175 addresses will be available. Therefore, the BUS to which all the others are connected operates as the main riser. This BUS must necessarily belong to an automation system. This mode is recommended for large villas or service/industrial sector systems.
A typical case may be a villa distributed over several floors: one separate system can be installed for each floor, connecting them through another system operating as a riser.

System example
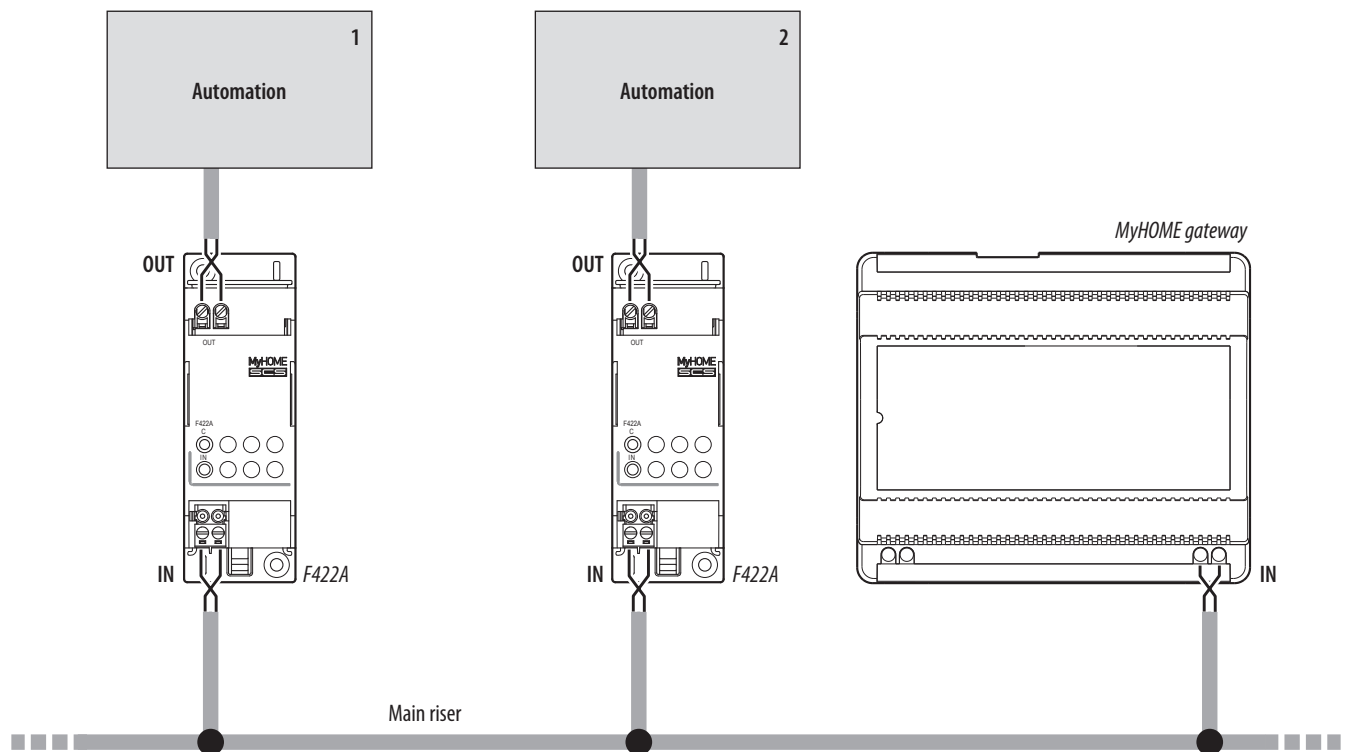
Main riser

Installation rules:
- In this mode, up to two interfaces can be connected to the main riser; therefore, up to three systems can be managed as if they were one. Each system connected to the riser can have available all 175 addresses provided for in the advanced configuration via the Home + Project app.
- The MyHOME Gateway must be installed on the main riser (IN terminal).
- To check the full compatibility of the versions of the commands to be installed with the F422A, please check the data sheet of the individual control devices.

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Note: The F422A can be used in combination with the F422 in MOD=6, for a maximum of 4 F422s. The maximum system can therefore include 2 F422A and 4 F422 in mode 6.