

Security & Fire Alarm Connecting Instructions

Fire Alarm

1. We require one set of **normally open voltage free contacts** to close on alarm. The door will stay open while the contact is closed.
2. It needs to be connected to our terminal block labelled CN5 between GND & ULK that is pins 1 & 3 from the bottom end of the terminal block.

Note: This will open the doors in all modes including when the door is locked and will also open if the power has failed provided of course the battery is charged.

Smoke Alarm

Smoke alarm is designed to close the door on actuation to prevent the spread of smoke from one area to another. This is on CN5 terminals 1 & 4. Requires a short to actuate; must be voltage free if connected to other security or fire alarm or smoke alarm systems. Will ignore all sensors and safety beam and close the door but will not lock the doors. The door can be opened by the emergency egress push button switch or can be pushed open manually. The door will close after one operation.

Security Company


1. **To lock/Unlock the door-** we require one set of normally open voltage free contacts. Connect to CN5 between GND & LK or pins 1 & 5 from the bottom end of the terminal block.

The door will lock when the contact is closed. All other mode signals such as 4 position mode switch or key pad must remain in AUTO mode. When contact is opened the door will go to Auto Mode.
2. **To unlock & Open** – we require one set of normally open voltage free contacts from the swipe card reader etc. Connect to CN 5 again between GND & ULK or pins 1 & 3 from the bottom of the terminal block. (-yes, the same as fire alarm). The door will open when contacts are closed momentarily then close and lock again provided the door is still locked.
3. **Door status** – We provide one set of voltage free contacts which closes when the door is closed. For door status connect to CN9 between Com & NO or pins 3 & 4 from the bottom of the terminal block.
4. **Lock Status** – We provide one set of normally open voltage free contacts which closes when the door is locked. For lock status connect to CN9 between KST + and KST- or pins 1 & 2 from the bottom of the terminal block.

Note – this may be faxed together with our commissioning instructions if they are still not certain.

Cable requirements, 8 core 0.2mm security or similar for security.

Fire alarm/Smoke alarm cable to be **fire rated 2 core.**

NOTES: Related Document Commissioning Instructions – lsl-as5 v7.3.8		TITLE Commissioning Instructions 2 External Connections
	ALL MODELS	BMS SECURITY COMPANY FIRE ALARM SMOKE ALARM
	Date 1/10/2012	DRG. NO Lsl-bms1