***** ALL CONNECTIONS MUST BE NORMALLY OPEN AND VOLTAGE FREE *****

Fig 1: Location of Terminal Block CN5 on Control Board

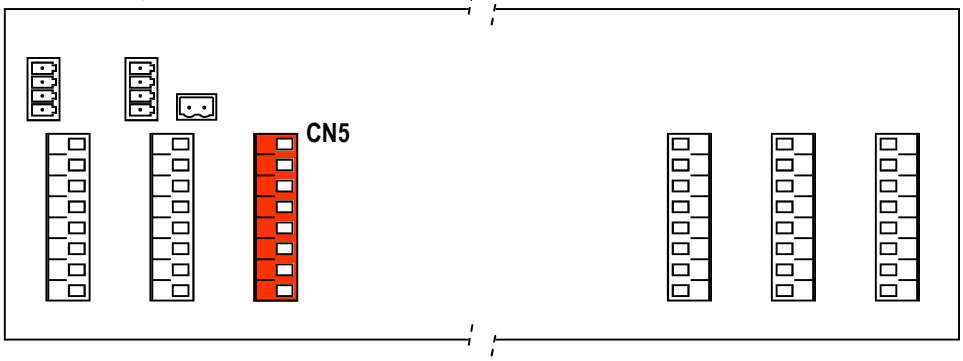
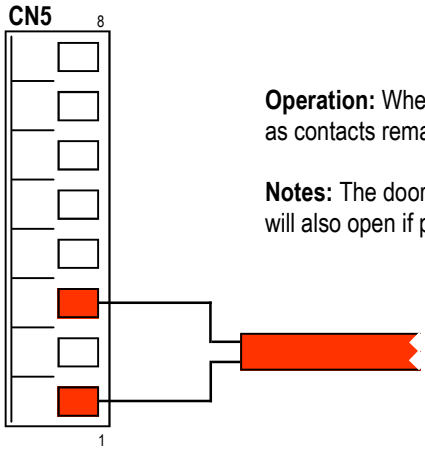


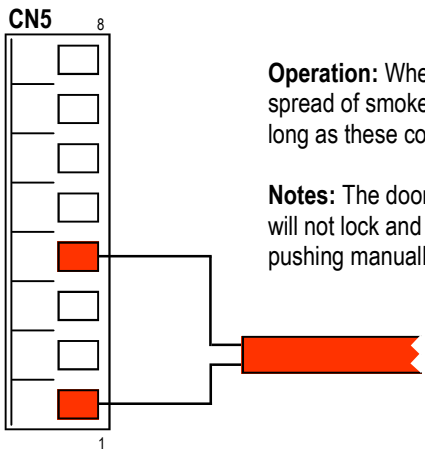
Fig 2: Fire Alarm Connection Diagram



Operation: When contacts are closed, the door will open and remain open so long as contacts remain closed.

Notes: The door will open in all modes including when the door is locked. The door will also open if power has failed, assuming the backup battery is still functioning.

Fig 3: Smoke Alarm Connection Diagram



Operation: When contacts are closed, the door will close in order to prevent the spread of smoke from one area to another. It will remain in this 'Smoke' mode so long as these contacts remain closed.

Notes: The door will ignore all sensors and safety beams while closing. The door will not lock and can be opened with the emergency egress push button or by pushing manually. After being opened, the door will attempt to close again.

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NOTES	THINK OF US AUTOMATICALLY AUTOINGRESS AUTOMATIC DOORS	TITLE External System Connection Instructions LS220B, LS300 & LSW-LP/DUAL BMS, Security & Fire Alarm Connection Instructions
	SCALE NOT TO SCALE	
	DATE 02/02/17	DRG. NO. lsl-as5-bms-page1/3

***** ALL INPUTS MUST BE NORMALLY OPEN AND VOLTAGE FREE *****

Fig 4: Location of Terminal Blocks CN5 and CN9 on Control Board

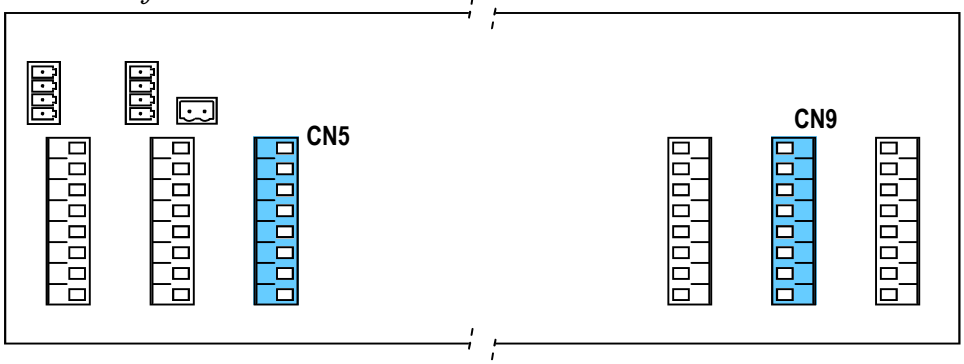
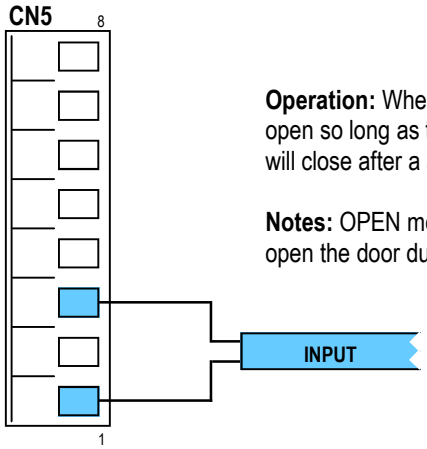


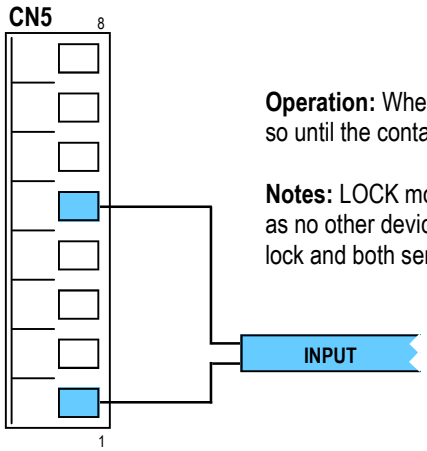
Fig 5: Door Open Mode Control Input Connection Diagram



Operation: When contacts are closed, the door will enter OPEN mode and remain open so long as the contacts remain closed. Once the contacts are released, the door will close after a short delay.

Notes: OPEN mode overrides all other modes including locked. OPEN mode will also open the door during a power failure, assuming the backup battery is still functioning.

Fig 6: Door Lock Mode Control Input Connection Diagram



Operation: When contacts are closed, the door will enter LOCK mode and remain so until the contacts are released.

Notes: LOCK mode overrides every other mode except for OPEN mode. So long as no other devices are holding the door in OPEN mode, the door will close and lock and both sensors will be disabled.

***** ALL INPUTS MUST BE NORMALLY OPEN AND VOLTAGE FREE *****

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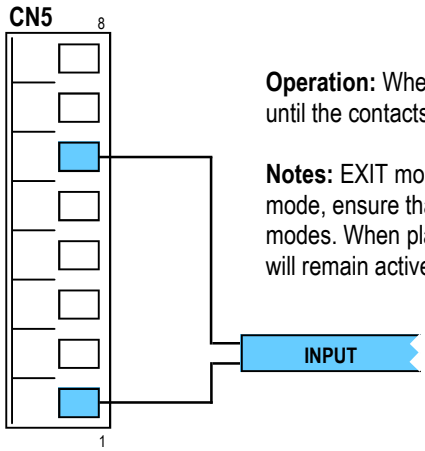
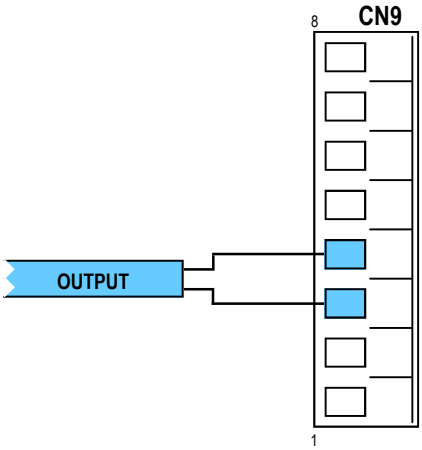
Fig 7: Door Exit Mode Control Input Connection Diagram



Operation: When contacts are closed, the door will enter EXIT mode and remain so until the contacts are released.

Notes: EXIT mode will only override AUTO mode and nothing else. To enter EXIT mode, ensure that there are no other devices holding the door in the LOCKED or OPEN modes. When placed in EXIT mode, the door will close and lock but the internal sensor will remain active allowing people to exit automatically.

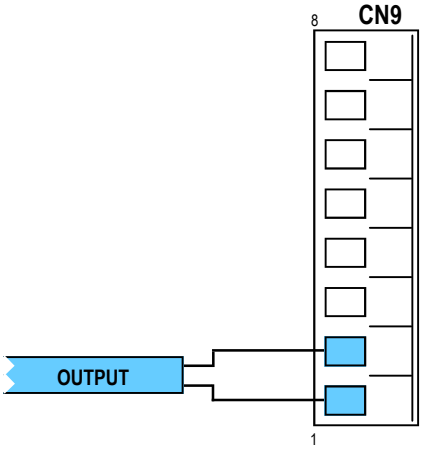
Fig 8: Door Open Status Output Connection Diagram



Operation: Set of voltage free contacts which close when the door is sitting in the closed position.

Notes: On automatic swing doors, these contacts behave differently and will only close when the door is in the fully open position.

Fig 9: Door Lock Status Output Connection Diagram



Operation: Set of voltage free contacts which close when the electric lock is engaged.

Notes: This does not detect LOCK mode. It detects the status of the electric lock itself. As such, these contacts can also be closed in EXIT mode. The electric lock must be disengaged in order for the door to open and as such these contacts will open every time the door opens.

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