

OPTIONS

Sensors

the options

Sensors

This option detects the door position and provides a signal / information about the doors statement : opened or closed. Then, it's possible to wire on it a lighting system (MCD can supply, option 4.7) for automatic lighting of the compartment when opening the shutter.

This signal can also be wired on a cabin signal, buzzer or computer to inform the driver, crew about shutter position.

MCD propose in its range 2 models of magnetic sensors (direct and indirect) and 1 mechanical model, to answer each needs.

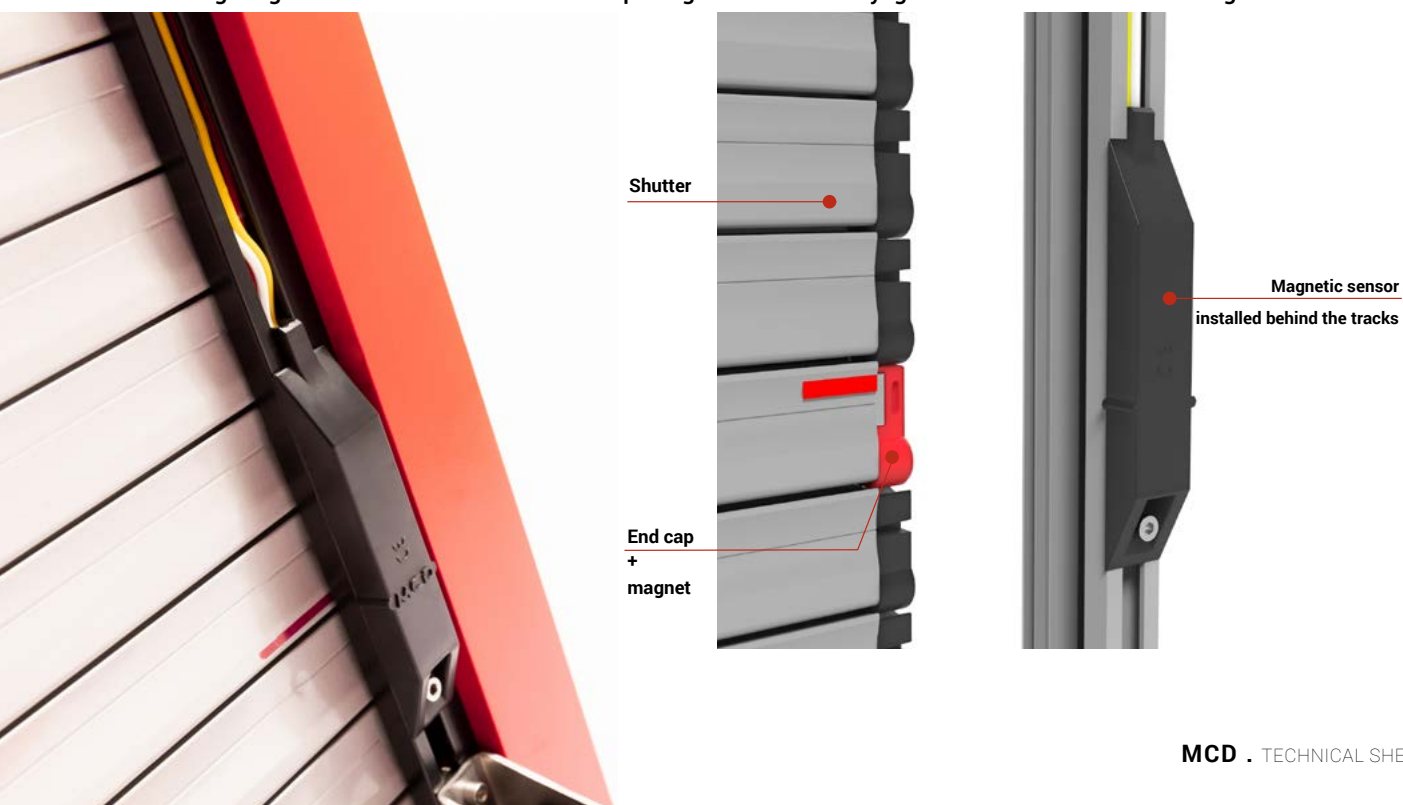
Magnetic sensor

A red pvc cap with integrated magnet is installed on each shutter side of a slat profile.

A sensor with electro-magnetic detection integrated in special resin to be totally waterproof, is installed on 1 side of the tracks in front of the magnet position when shutter is closed. It's possible to adjust easily the sensor position on the tracks if needed.

When opening the shutter, the lighting of the compartment and signal in the cabin are automatically activated.

This lighting is activated 1 second after the opening to avoid untimely ignition when the truck is moving and shutter too.

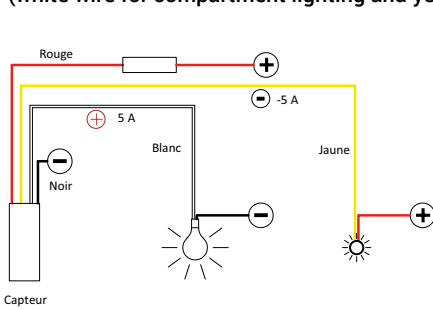


the options

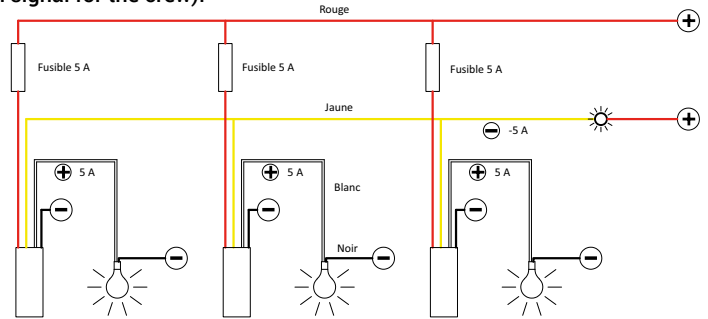
Sensors

2 models
of magnetic sensor available :

A. DIRECT MODEL : This model integrate a powered electronic in order to light on a lamp directly wired on it till 5 amps without using relay. The sensors has 4 wires: 2 to supply power (red and black wires) and 2 others wires to supply power after the sensor (white wire for compartment lighting and yellow wire for cabin signal for the crew).

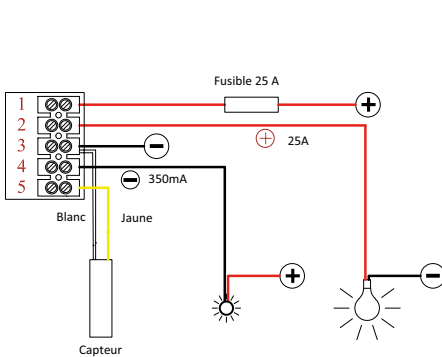


DIRECT SENSOR WIRING
1 shutter

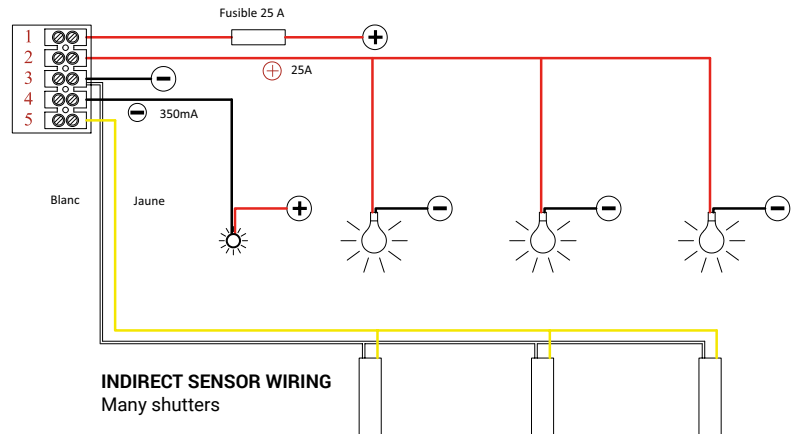


DIRECT SENSOR WIRING
Many shutters

B. INDIRECT MODEL : This model has only 2 wires and supply only an information about shutter position opened or closed. It's necessary to add a relay to provide power to the lamps.



INDIRECT SENSOR WIRING
1 shutter

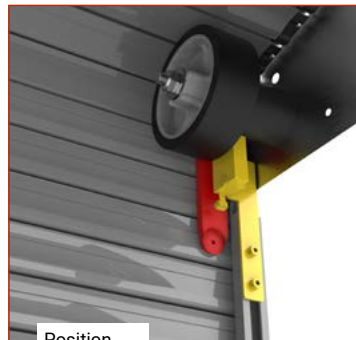
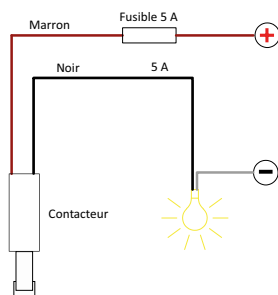


INDIRECT SENSOR WIRING
Many shutters

Mechanical sensor

The mechanical sensor's lever which activate the switch is hold in position thanks to a black rubber installed at the rear of the shutter, at a specific position, to face the sensor when shutter is in closed position.

When opening the door, the rubber roll inside with the door and release the sensor lever to activate the system. The power is then supplied to the lights connected and to cabin signal for the crew.



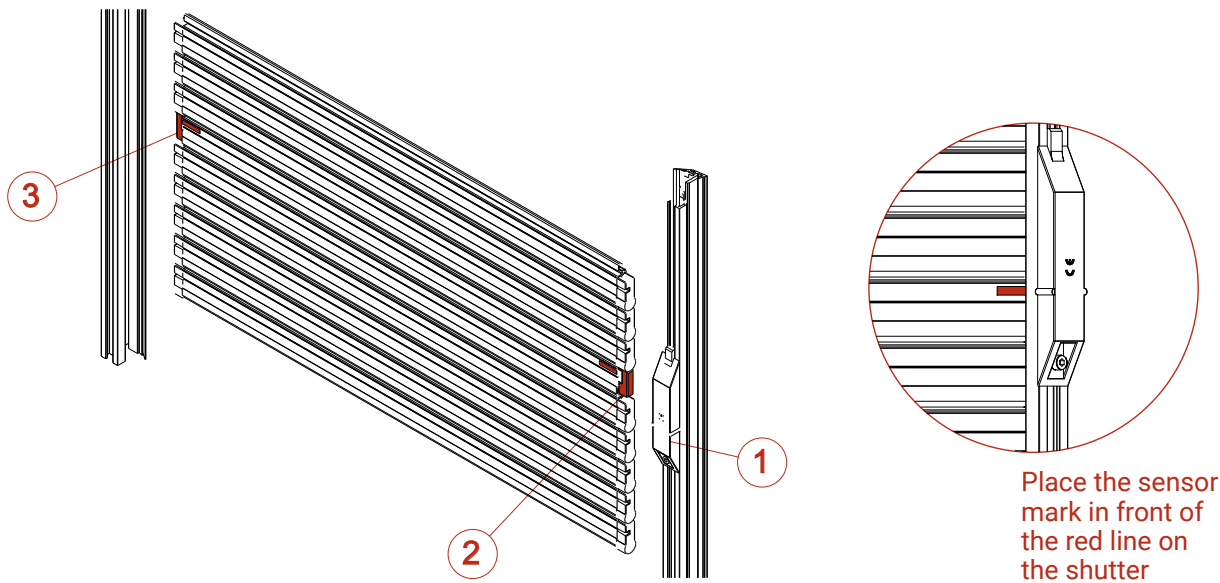
Position
CLOSED



Position
OPENED

The options
Sensors

Exploded view



The options **Sensors** elements list

N°	Ref	Description
1	8118	MAGNETIC DIRECT SENSOR
	ou 8119	MAGNETIC INDIRECT SENSOR
2	8120 30	RIGHT END CAP WITH MAGNET FOR 30MM SLAT
	8120 40	END CAP WITH MAGNET FOR 40MM SLAT
3	8121 30	LEFT END CAP WITH MAGNET FOR 30MM SLAT
	8121 40	END CAP WITH MAGNET FOR 40MM SLAT