



## SM\_MD Motion Detector

The SM\_MD is a passive infrared motion detector with a PIR sensor. It reacts on every kind of heat motion and notifies it to the alarm control unit.

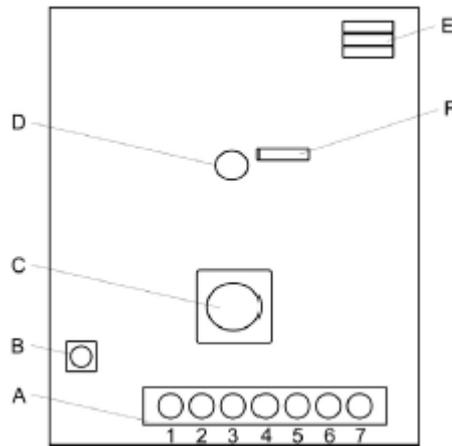


### **Assembling:**

Optimal assembly site is 2 to 3 meters over the ground. The possible direction of motion should be happen cross to the detector. Improper for the assembling are all sites adverse heat sources (e. g. radiator) or a window. Do not assemble the motion detector nearby power lines, gas lines or electrical devices, which will generate heat during long-time operation.

The perspective of the SM\_SD is 90 degrees, the reach of detection, depends of the assembling height, is 15 x 15 meters. You can modify the sensitivity of the motion detector via jumper. So you assign the amount of impulse, which have to be identified, prior the detector will open the alarm relay.

**Connection diagramm:**



- A: Terminal
- B: Sabotage
- C: PIR-Element
- D: LED
- E: Impulse counter
- F: Jumper-LED

**Terminal:**

- 1 and 2: Sabotage
- 3: Free
- 4 and 5: Alarms
- 6 and 7: Voltage Input (GND, 12V)

**Configuration:**

The SM\_MD will be delivered with an adequate cable for the connection to the SensorManager. Connect the cable into the input of the SensorManager and connect via web-browser on your CS121. Click the „SensorManager“ configuration button and set the desired data into the „Sensor Manager Inputs“ menu.

Sensor Manager Inputs			
Input	Location	NC Contact	
1	Digital Input 1	<input type="checkbox"/>	
2	Digital Input 2	<input type="checkbox"/>	
3	Digital Input 3	<input type="checkbox"/>	
4	SM_MD_2009	<input checked="" type="checkbox"/>	

Click the „Events / Alarms“ button into the CS121 configuration menu and add a desired job via the job editor for the event „SensorMan Input 4 Not Normal“.

**'SensorMan Input 4 Not Normal' Job 1**

Function:

Receiver:   
Separate receivers by comma to send mail to more than one receiver. Do not insert additional spaces.

Text:

Use text as subject:

When:  Immediately, once  
 Scheduled in  seconds  
 Every  seconds  
 After  seconds  
 After  seconds & repeat  
 After  seconds on battery  
 At  seconds remaining time

**Actions will only be executed if event condition is still true after the specified seconds!**

Please take a look into the CS121 or rather the SensorManager manual for further information.

**Technical data:**

Operational voltage:	9-16V DC (nom. 12V DC)
Power input:	9mA bei 12V
Alarm contact:	NC, 100mA, 24 V DC max.
Sabotage contact:	NC, 100mA, 24 V DC max.
Area of detection:	15 x 15 meter
Height of installation:	2m bis 3m
Impulse counter:	1, 2, 3 (jumper)
Pyro element:	dual PIR-Element
Term of alarm:	min. 2,2 seconds
Operating temperature:	-10°C bis +55°C
Stock temperature:	-20°C bis +60°C
Dimensions (HxWxD):	107x60x48mm
Weight:	80g
LED display:	eligible (jumper)