



COUNTING counts

Counting Counts is a global community of professionals. Our members participate in improving and developing Pedestrian Flow Measurement-systems giving multinational organisations reliable insights for their business strategies.

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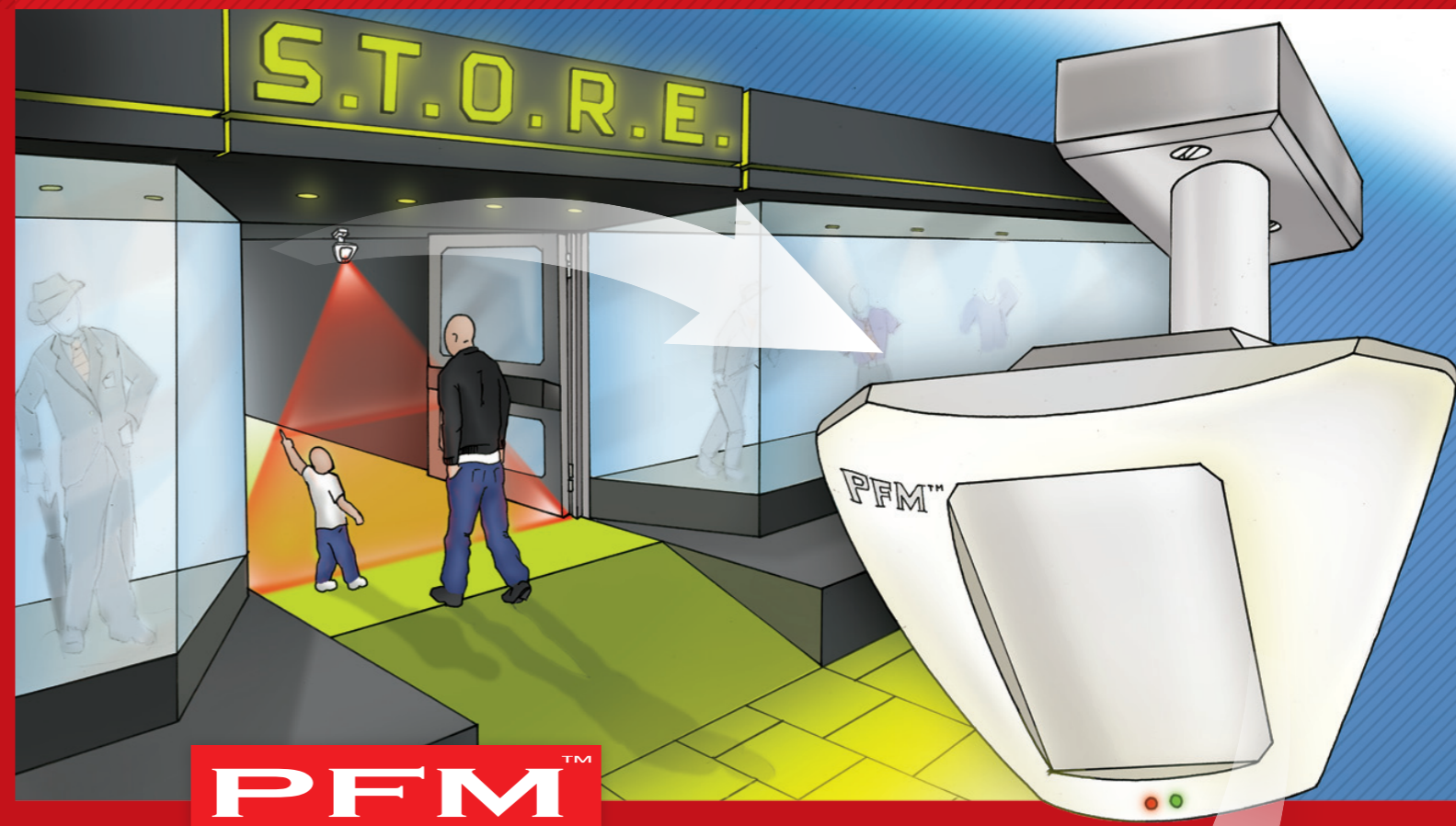
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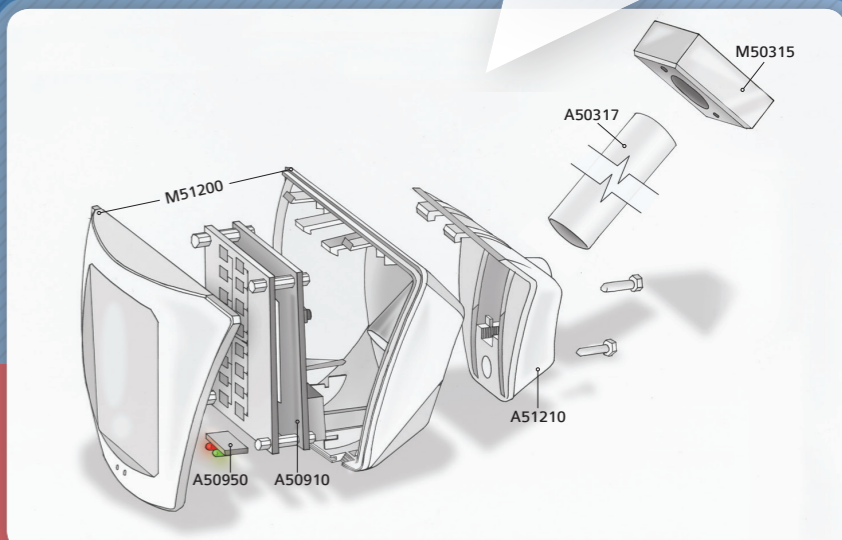
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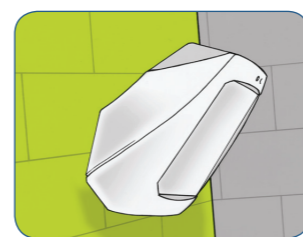


Radar LFD/RD

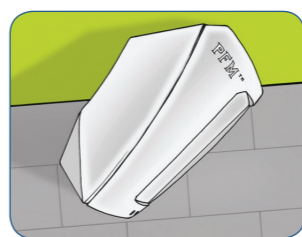
The PFM LFD/RD is a new PFM development coming from the challenge to create a reliable overhead counting system. The radar sensor is able to detect all in and out going people under a n angle of 45 degree. Both derrections are seperated in the software and persons below 1.3m should be left out the counting data. Due to this 45 degree angle the mounting position should chosen carefully. PFM is busy to create a positioning tool, to make installation of this sensor more easy.



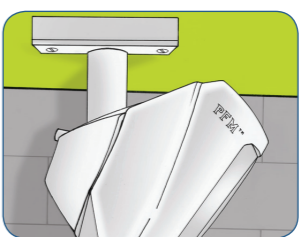
MONTAGE INSTRUCTIES



RADAR MODULE MOUNTED UPSIDE DOWN ON THE WALL. THE RADAR PCB IS FUNCTIONS WITH A 180 DEGREE ANGLE



RADAR MODULE MOUNTED ON THE CEILING, WITHOUT USING A BRACKET. HOUSING TOPSIDE IS FLAT.

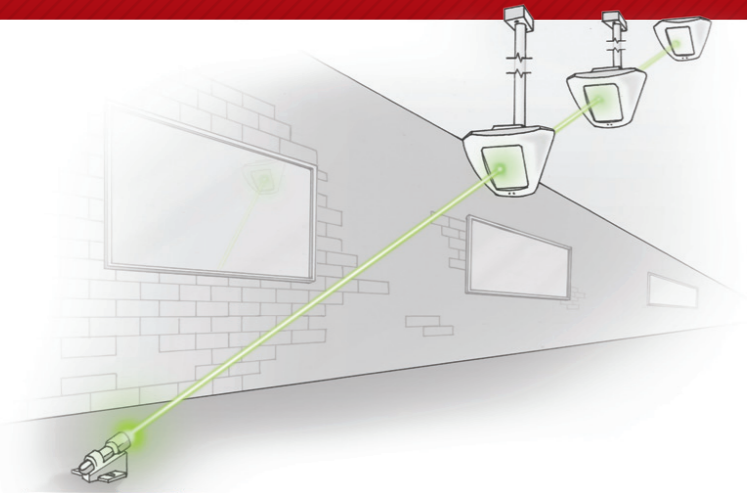


RADAR MODULE WITH BRACKET AND ALU PIPE. PIPE CAN BE TAILOR MADE TO MEET SPECS FOR ANY LOCATION.

TOOLLIST

- FITTING SCREWDRIVER
- MEASURING TAPE
- SCREWDRIVER CROSS
- AMP TOOL
- CUTTER
- DRILMACHINE Ø 5 8 4,2
- MACHINE TAP M5
- STANLEY KNIFE

RADAR POSITIONING TOOL



1) DETERMINE BEST COUNTING LINE

2) DETERMINE CEILING HEIGHT, WHERE THE RADAR WILL BE MOUNTED

3) SET THE ACCORDING CODE SWITCH COMING FROM THE TABLE ON THE RIGHT.

4) PLACE THE PFM RPT AND MARK THE LASER DOT ON THE CEILING. SET RADAR PCB SWITCH ACCORDINGLY AND MOUNT ALL.

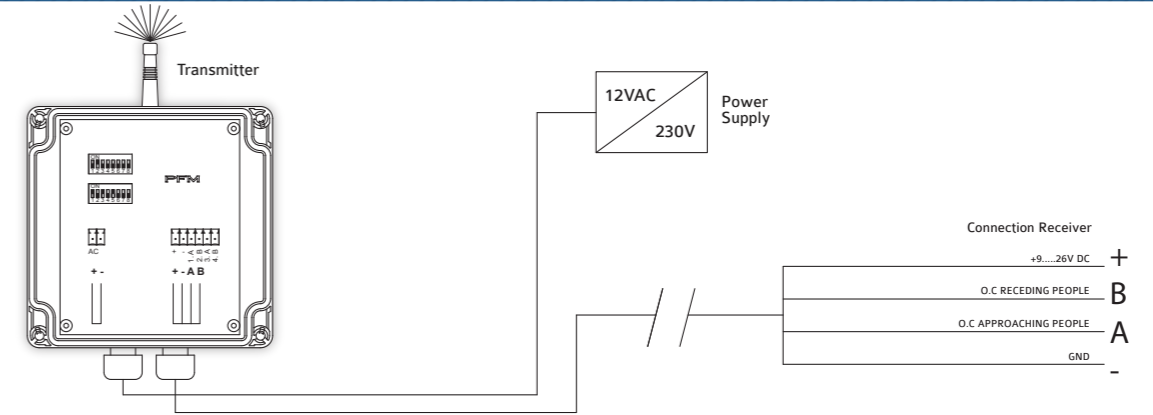
THE PFM RADAR TOOL IS DESIGNED TO MAKE THE INSTALLATIONS MORE EASY. ALSO THE USE OF THE ALLUMINIUM PIPE TO LOWER THE RADAR (NARROW THE COUNTING WIDTH) IS MORE FRIENDLY. NOTE: MAKE SURE DOORS ARE NOT BEING COUNTED!!!

HEIGHT & REACH

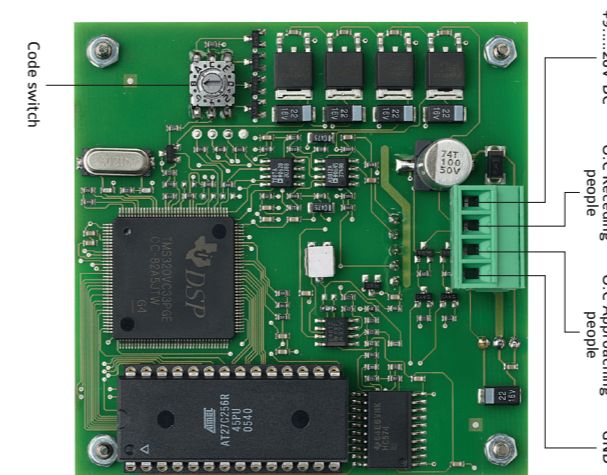
HEIGHT	RPT TOOL / CODE SWITCH*	WIDTH
2,0	0	1,3
2,2	1	1,4
2,4	2	1,6
2,6	3	1,8
2,8	4	2,0
3,0	5	2,2
3,2	6	2,5
3,4	7	2,8
3,6	8	3,1
3,8	9	3,5
4,0	A	3,9
4,2	B	4,3

* code setting on tool corresponds with the code switch setting.

RADIO LINK



CIRCUITBOARD



SOFT- & HARDWARE SETTINGS

The PFM LFD/RD gives 10msec pulses which require special settings on the applied hardware:

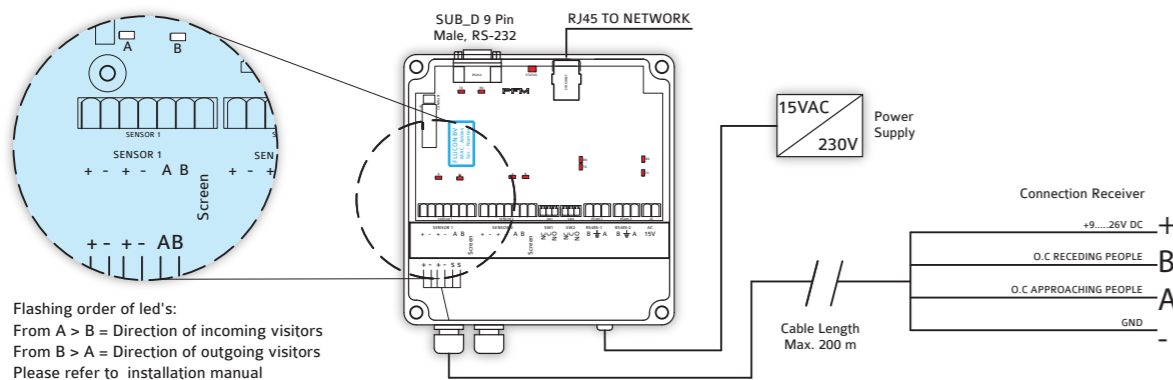
MINILOGGER SYSTEM 6/6A
 - SET OMNI DIRECTIONAL SENSOR SET
 - SET DOOR IGNORE TIME: 10 M/S
 ZIE MANUAL PFM MINICONNECT

HIGHWAY MODULE
 - SET TO OMNI DIRECTIONAL
 - SET DOOR IGNORE TIME OP 10 MS
 SEE MANUAL PFM HIGHWAY

JB1-RF MODULE
 - DOOR IGNORE TIME 10 MS
 - OMNI DIRECTIONAL SENSOR
 SEE MANUAL PFM RADIO LINK

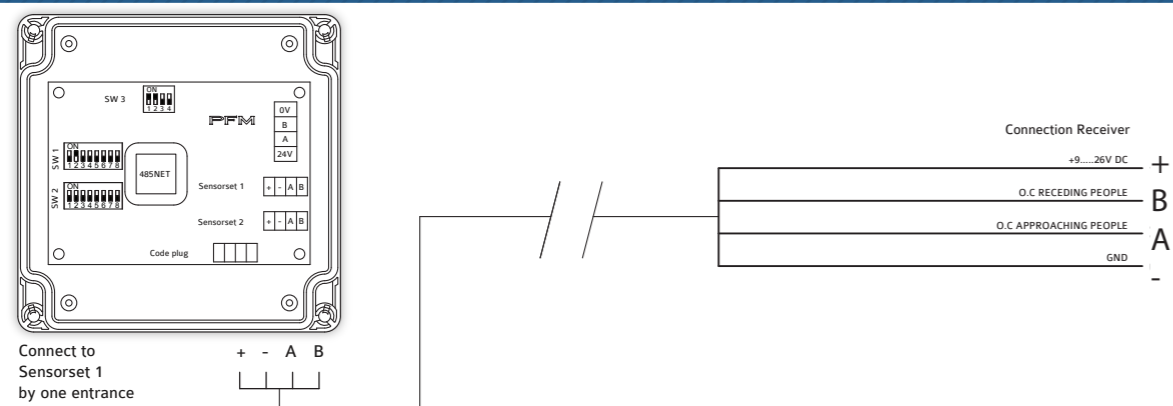
Always check the system accuracy after installation with the manual display connected to the logger..

SYSTEM 6(A)



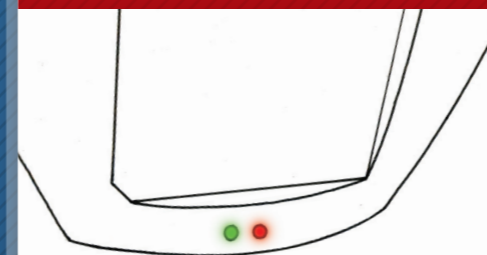
Flashing order of led's:
 From A > B = Direction of incoming visitors
 From B > A = Direction of outgoing visitors
 Please refer to installation manual

HIGHWAYBOX



Connect to Sensorset 1 by one entrance

LEDS



THE LFD-RD HOUSING CONTAINS 2 LED'S. THE RED LED IS FOR SIGNAL INDICATION, DESPITE THEIR DIRECTION. THE GREEN ONE IS TO SEE IF THERE IS POWER ON THE DEVICE. ALWAYS USE THE LED WHILE TESTING AFTER INSTALLATION.

ERROR AFTER INSTALLATIONS

BEFORE CALLING OUR SUPPORT DEPARTMENT YOU NEED TO MAKE SURE THAT THE GENERAL SETTINGS ARE CORRECT.

GENERAL PROBLEMS
 - GREEN POWER LED OFF: (ZIE DRAWING): CHECK POWER
 - NO RED LED DURING INCOMING PEOPLE: (TOWARDS RADAR): CHECK CODE SWITCH SETTING
 - NO RED LED BIJ OUTGOING PEOPLE: (FROM RADAR): CHECK CODE SWITCH SETTING

MINILOGGER SYSTEM 6/6A
 - NO COUNTS IN DATA FILE
 > SET DOOR IGNORE TIJD (10MS)
 > INCLUDING COUNTS FROM TODAY ON
 > SENSOR SETTING TO OMNI DIRECTIONAL

HIGHWAY MODULE
 - NO COUNTS IN DATA FILE
 > SET DOOR IGNORE TIJD (10MS)
 > SENSOR SETTING TO OMNI-DIRECTIONAL
 SEE MANUAL HIGHWAY

JB1-RF MODULE
 - NO COUNTS IN DATA FILE
 > CONTROLEER DOOR IGNORE TIJD (<20MS)
 > SENSOR INSTELLING OP OMNI DIRECTIONAL
 SEE MANUAL JB1-RF