



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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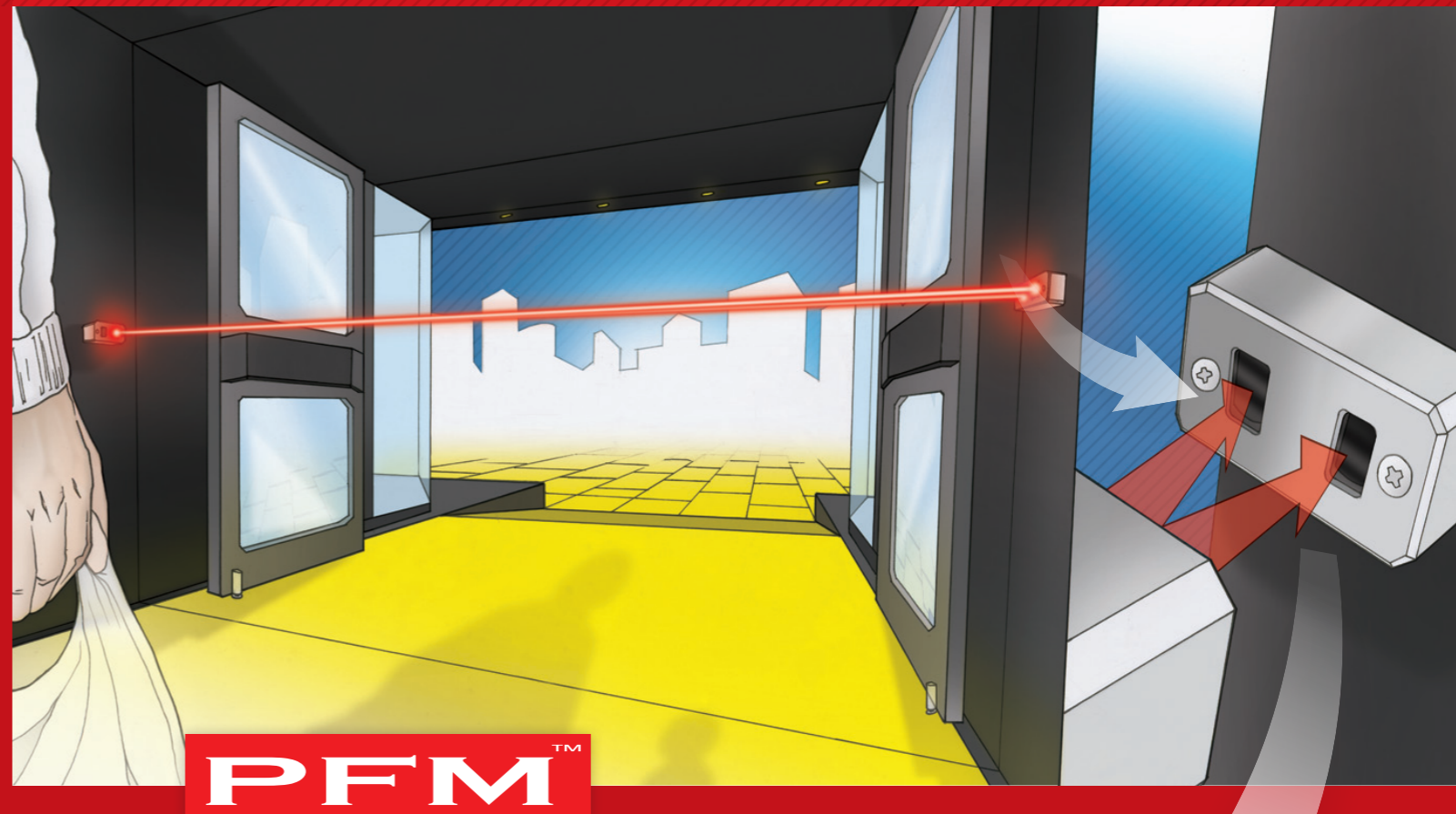
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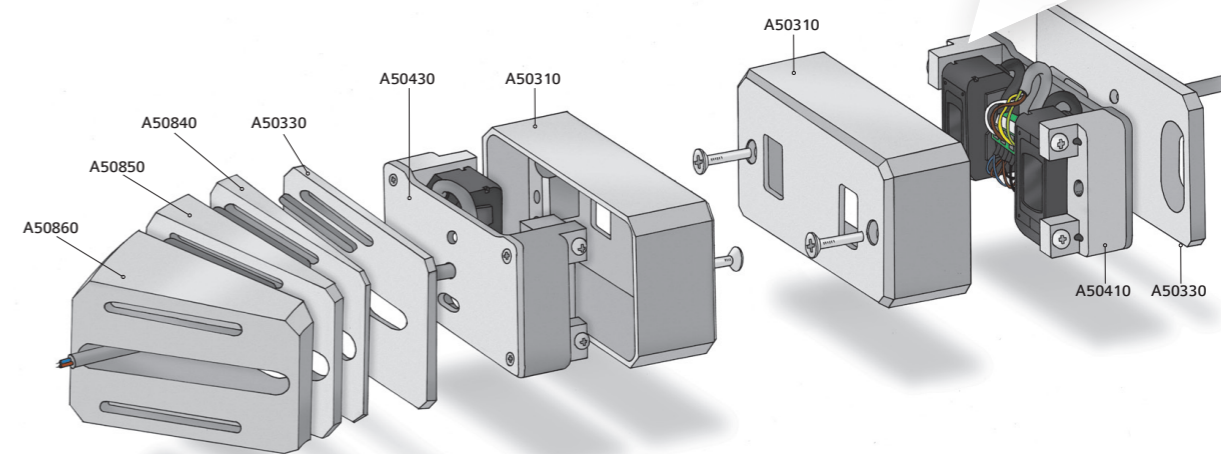
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LFT10-D

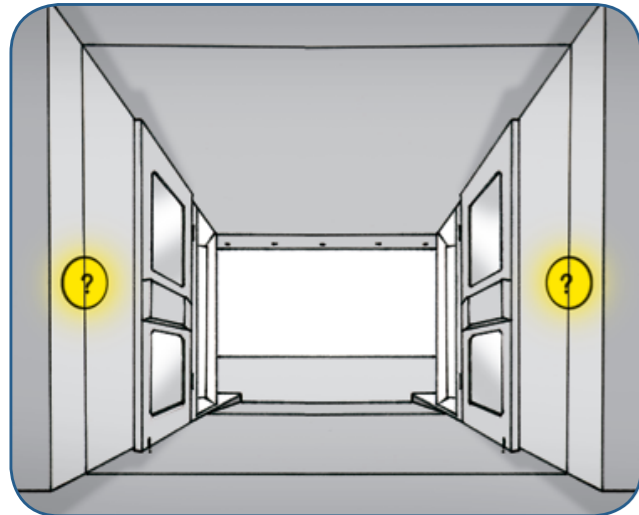


The LFT10-D is the most applied regular horizontal infrared sensorset in the PFM sensorrange. The maximum distance is 10m which makes this set suitable for small shops as well as width shopping streets. PFM developed 3 special angle plates to mount on non parallel objects. 5, 10 and 20 degree so one can create every possible angle. The mounting height is 1,3m and the LFT10-D is applicable for inside and outside mounting. Once the sensors have to count trough glass you have to deduct 1m reach for every glass door/object.

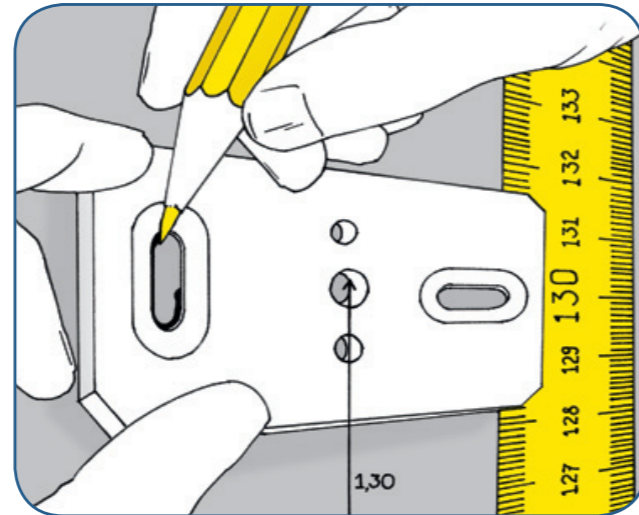
TOOLLIST

- FITTING SCREWDRIVER
- MEASURING TAPE
- SCREWDRIVER CROSS
- SCREWDRIVER FLAT
- AMP TOOL
- CUTTER
- DRILMACHINE Ø 10
- STANLEY KNIFE

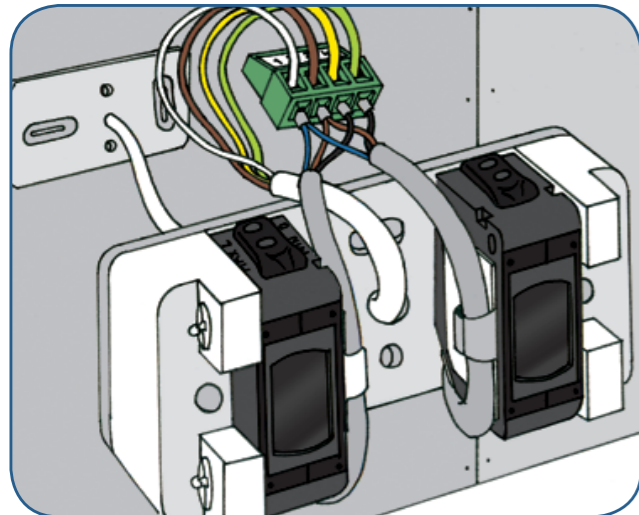
MONTAGE INSTRUCTIES



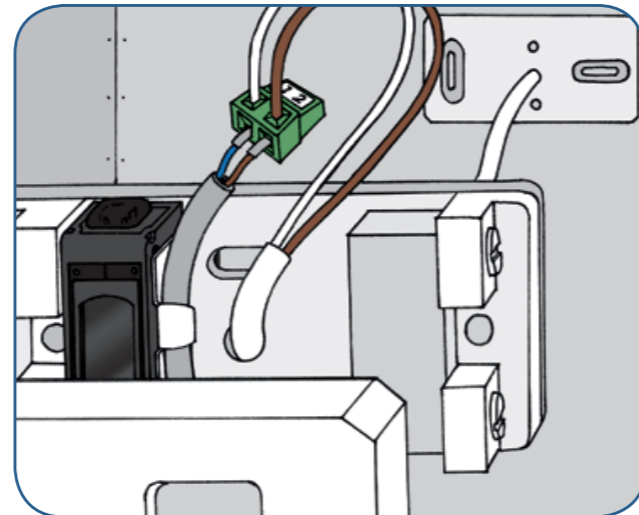
DETERMINE IDEAL POSITION. EXCLUDE WINDOWS, DOORFRAME WITHIN THE IR BEAM AS MUCH AS POSSIBLE



WHEN THE CABLE IS IN PLACE AND COMING OUT OF THE WALL/DOOR-FRAME, MARK THE POSITION FOR THE SENSORSET.

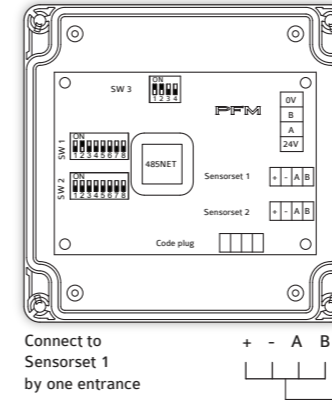


brown to brown = plus
white to blue = minus
green to black = signal A
yellow to black = Signaal B

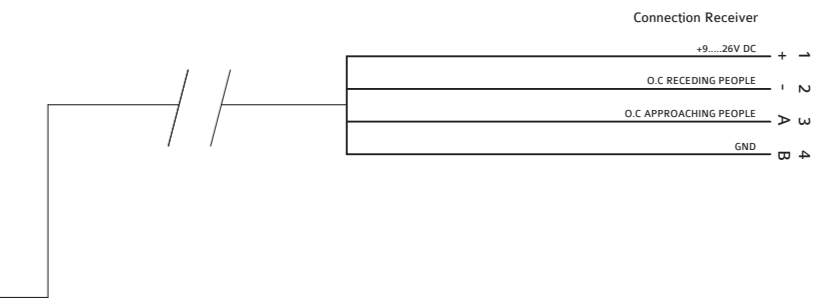


SENDER SIDE CONNECTIONS:
brown to brown = plus
white to blue = minus
adjust receiver sensitivity: see next page

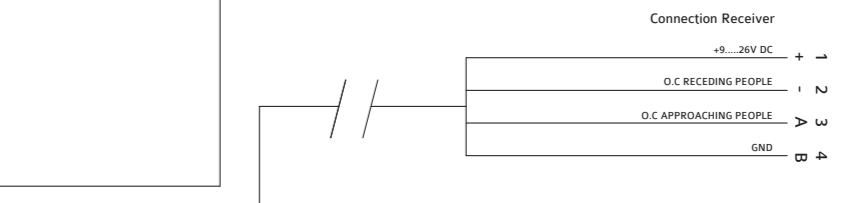
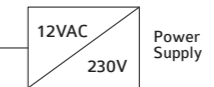
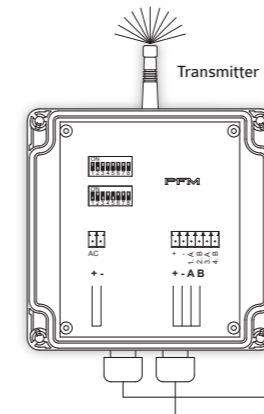
HIGHWAYBOX



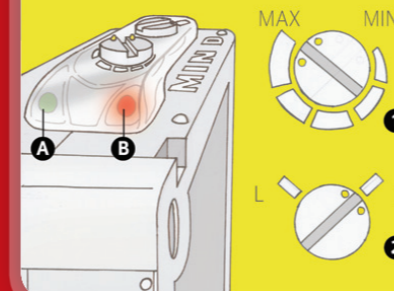
Connect to Sensorset 1 by one entrance



RADIO LINK



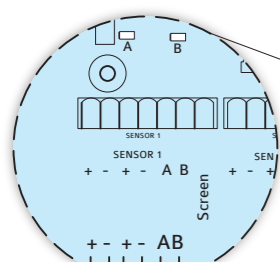
SENSOR ADJUSTMENT



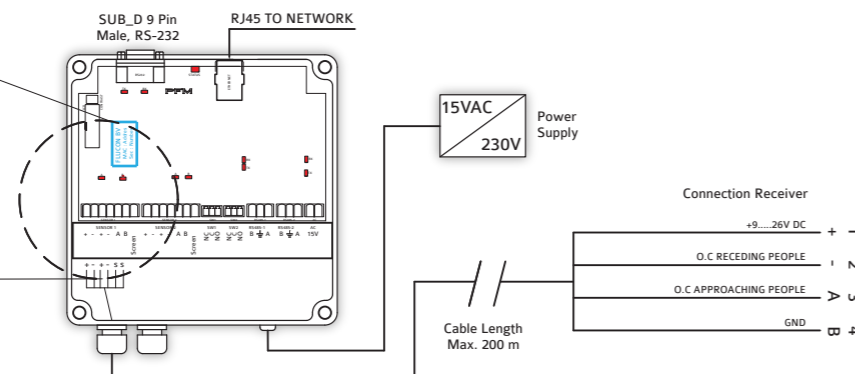
- A OPERATING
- B DETECTION
- 1 SENSITIVITY SWITCH
- SWITCHING OUTPUT
- 2 (D = DARK -DEFAULT)

switch on power after inst. and set switch 1 until the red top LED, B becomes red. turn back until led becomes green. Now turn 1/8 clockwise. The sensor top LED B Should become red after triggering the beam
NOTE: Sender can not be adjusted!

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



ERROR AFTER INSTALLATION

SENDER SIDE
GREEN LIGHT OFF:
* NO POWER
* CABLE PROBLEM

RECEIVER SIDE:
* NO POWER
* CABLE PROBLEM

HEIGHT IN/OUT COUNTING
OSCILLATIE (SEE CHAPTER.... SENSOR ADJUSTMENTS)

SOFT- & HARDWARE SETTINGS

THIS SENSOR SET CAN BE USED IN MANY DIFFERENT WAYS AND SENSING THROUGH A GLASS PANEL IS NO PROBLEM. PLEASE KEEP IN MIND THAT EVERY PANEL OF GLASS REDUCES THE MAXIMUM REACH WITH 1 METER.

ALWAYS BE SURE THAT INCOMING PEOPLE TRIGGER THE A LIGHT ON THE MINILOGGER/ JUCTIONBOX/JB1-RF. IF THIS IS NOT THE CASE SWAP THE SIGNAL WIRES ON THE LOGGER SIDE AND CHECK IT AGAIN.

THE INFLUENCE OF DOOR FRAME'S AND HANDLES SHOULD BE AVOIDED AT ALL TIMES. IF THIS IS MECHANICALLY NOT POSSIBLE ONE CAN SET A DOOR IGNORE TIME IN THE LOGGER.

THIS SET POINT IS A FILTER FOR THE MINIMUM PULSE LENGTH. SEE MANUAL PFM MINICONNECT.

AFTER INSTALLATION, THE ACCURACY HAS TO BE TESTED WITH THE MANUAL DISPLAY. CONNECT THIS DISPLAY TO THE LOGGER AND CHECK IF EVERY PERSON IS COUNTED IN THE RIGHT WAY. PEOPLE WHO CROSS THE BEAM TRIGGER 2 SIGNALS, ONE UPCOMING AND ONE OFF FALLING. IF THE PULSES ARE SIGNIFICANTLY HIGHER THAN THE NUMBER OF COUNTS, THE SENSORS HAVE TO BE ALIGNED AND/OR ADJUSTED REGARDING THE SENSITIVITY