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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DEALERBLOK

LFT4–F/M

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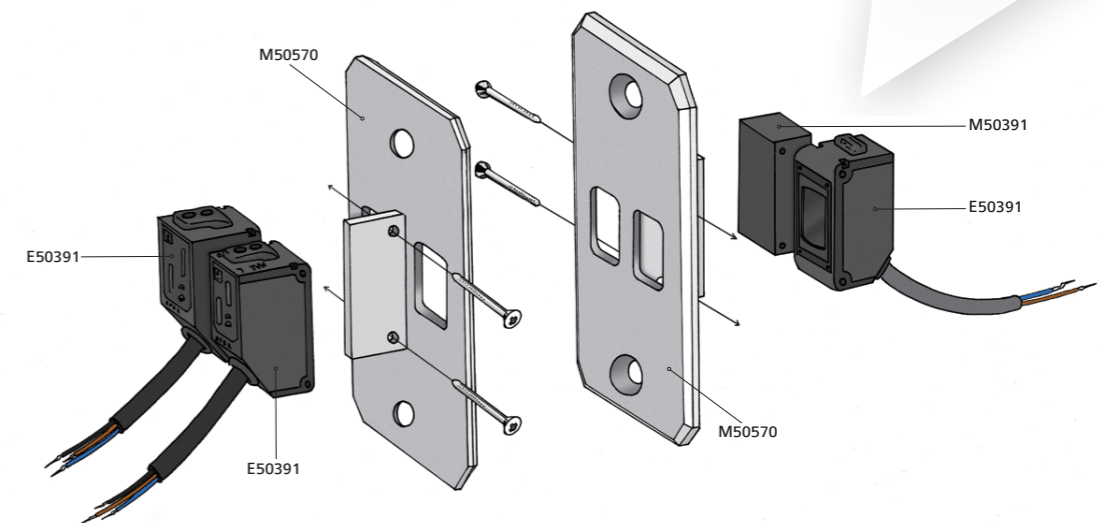Venezia Building
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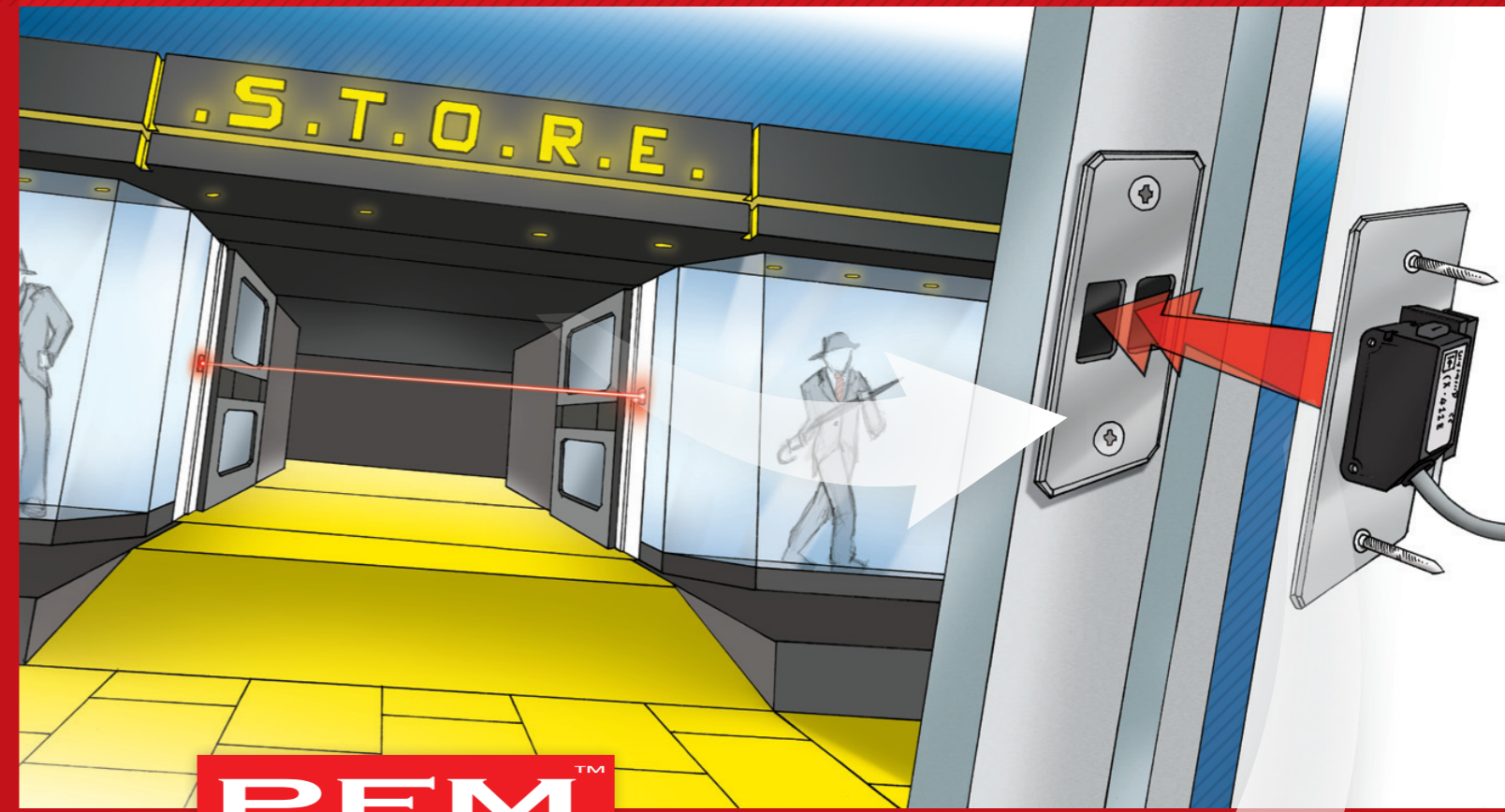
PFM™

De LFT4-F/M sensorset is a common set used whitin sliding doors. The hollow frames are well suitable to mount this sensor. The sustainable distance to cover is equal to the LFT4–D/H sensorset. Inside and outside mounting is possible but one have to keep in mind that clogged sensors due gum or dirt are very well possible in busy night streets. Due to its minimum visibility customers and visitors hardly see the sensor. The average mounting height is 1.3M.
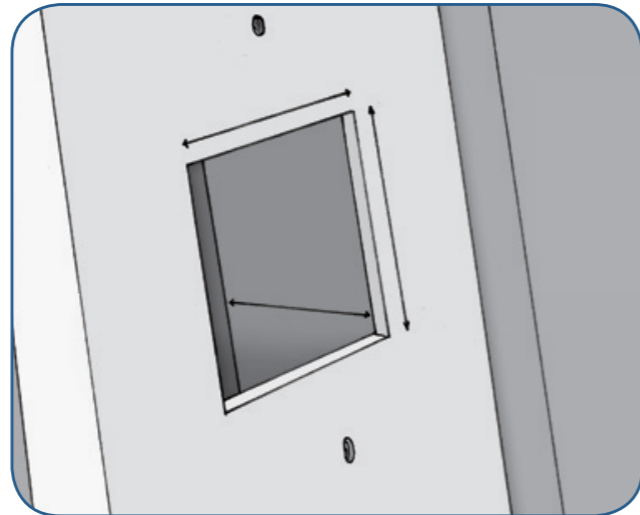
TOOLLIST

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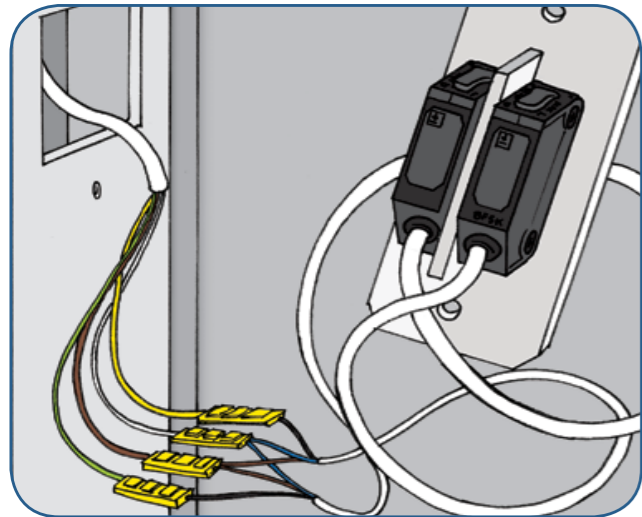- MACHINE TAP M5
- STANLEY KNIFE
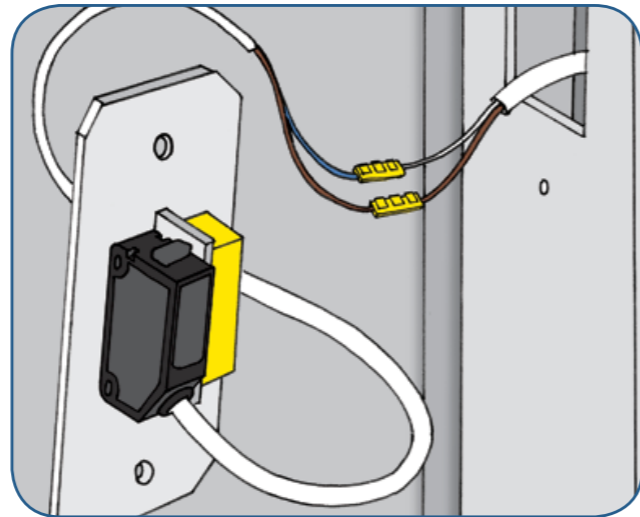
MOUNTING INSTRUCTIONS

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

CREATE A HOLE; WIDTH: 4CM, HEIGHT; 3 CM.
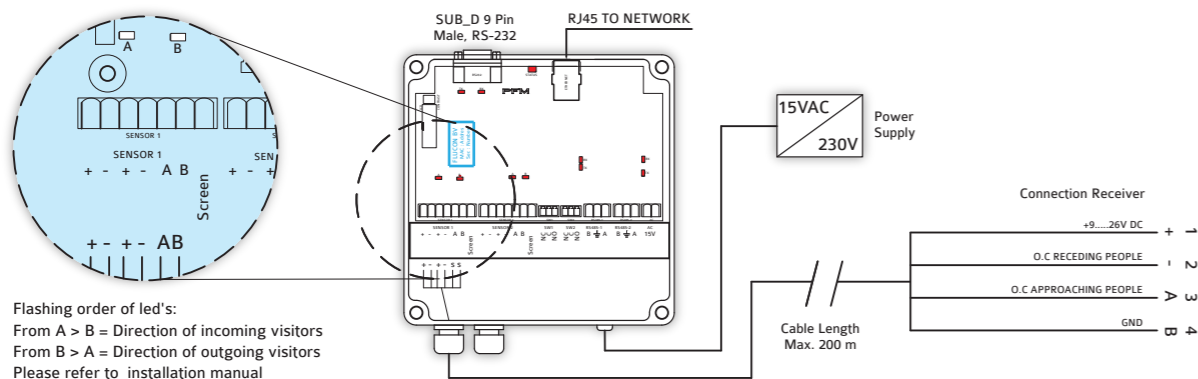PLACE THE ALUMINUM BRACKET AND MARK THE MOUNTING HOLE'S

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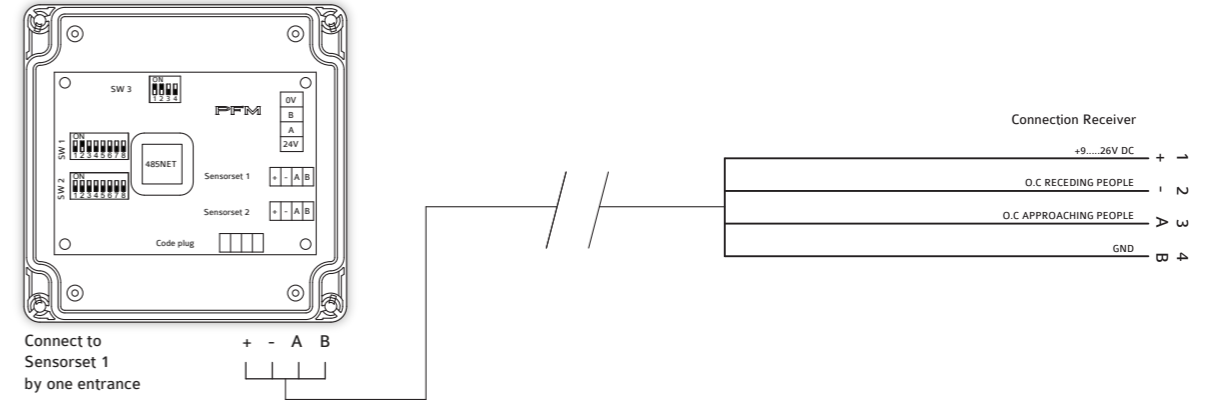green to black = signal A
yellow to black = Signaal B

CONNECT THE SENDER SIMULAR TO THE RECIEVER, BROW TO BROW =PLUS
WHITE TO BLUE = MINUS.
ADJUST SENSORS BEFORE FINAL ASSEMBLY. ZEE NEXT PAGE.

SYSTEM 6(A)

SUB_D 9 Pin Male, RS-232
RJ45 TO NETWORK
15VAC 230V Power Supply

Connection Receiver
+9.....26V DC   + 1
O.C RECEDING PEOPLE   - 2
O.C APPROACHING PEOPLE A 3
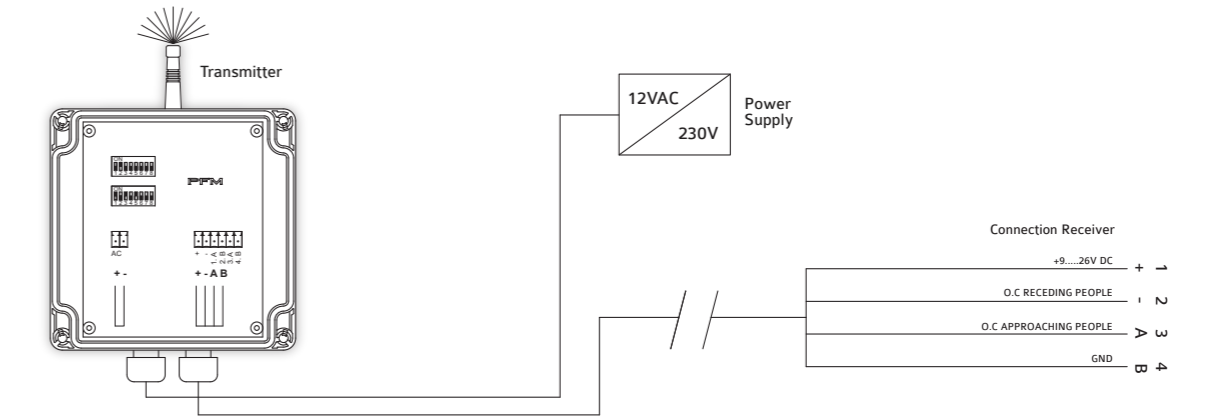GND   B 4

Cable Length Max. 200 m

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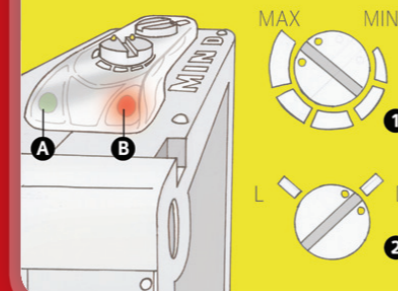Please refer to installation manual

HIGHWAYBOX

Connection Receiver
+9.....26V DC   + 1
O.C RECEDING PEOPLE   - 2
O.C APPROACHING PEOPLE A 3
GND   B 4

Connect to Sensorset 1 by one entrance
+ - A B

RADIO LINK

Transmitter
12VAC 230V Power Supply

Connection Receiver
+9.....26V DC   + 1
O.C RECEDING PEOPLE   - 2
O.C APPROACHING PEOPLE A 3
GND   B 4

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!

ERROR AFTER INSTALLATION

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

RECIEVER SIDE:
* NO POWER
* CABLE PROBLEM

HEIGH 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