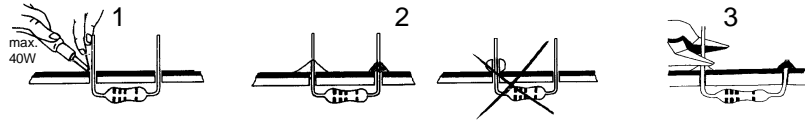


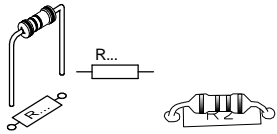
Order code	Manufacturer code	Description
70-4028	n/a	VELLEMAN IR BARRIER KIT

	Page 1 of 2
The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A ² 12/12/2006



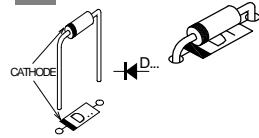
START PMK120T

1 Resistor - Weerstand - Résistance - Widerstand - Resistencia - Motstand - Vastus - Resistenze



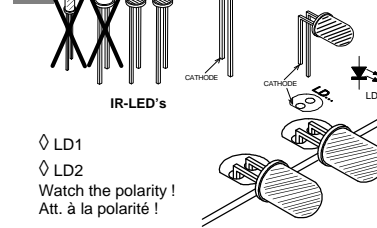
- ◇R1: 1K (Brown, Black, Red) -(Bruin, Zwart, Rood) -(Brun, Noir, Rouge) -(Braun, Schwarz, Rot) -(Brun, Svart, Röd) -(Ruskea, Musta, Punainen) -(Marrón, Negro, Rojo) -(Castanho, Preto, Encarnado) -(Marrone, Nero, Rosso)
- ◇R4: 1K
- ◇R5: 1K
- ◇R2: 100K (Brown, Black, Yellow) -(Bruin, Zwart, Geel) -(Brun, Noir, Jaune) -(Braun, Schwarz, Gelb) -(Brun, Svart, Gul) -(Ruskea, Musta, Keltainen) -(Marrón, Negro, Amarillo) -(Castanho, Preto, Amarelo) -(Marrone, Nero, Giallo)
- ◇R3: 100K
- ◇R6: 82E (Grey, Red, Black) -(Grijs, Rood, Zwart) -(Gris, Rouge, Noir) -(Grau, Rot, Schwarz) -(Grå, Röd, Svart) -(Harmaa, Punainen, Musta) -(Gris, Rojo, Negro) -(Cinzento, Encarnado, Preto) -(Grigio, Rosso, Nero)

2 DIODE



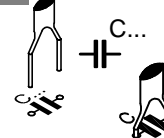
◇D1: 1N4007
Watch the polarity!
Att. la polarité!

3 IR-LED'S



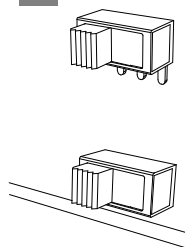
◇LD1
◇LD2
Watch the polarity!
Att. à la polarité!

4 CAPACITORS



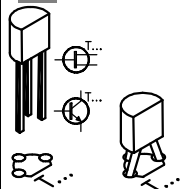
◇C1: 1n5 (152 - 1500)
◇C2: 1n5 (152 - 1500)

5 SWITCH



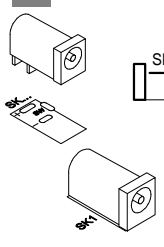
◇SW1

6 TRANSISTORS



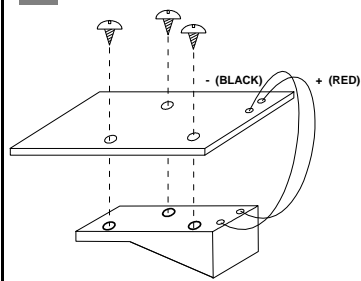
◇T1: BC547C
◇T2: BC547C
◇T3: BC547C

7 POWER JACK

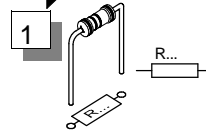


◇SK1

8 BATTERY HOLDER



START PMK120R



◇R4, R7, R8 : 100K

◇R2, R3, R5, R12, R13: 1K

◇R9, R10 : 330K

Resistor - Weerstand - Résistance - Widerstand - Resistencia - Motstand - Vastus - Resistenze
◇R11 : 470K

(Brown, Black, Orange) -(Bruin, Zwart, Oranje) -(Brun, noir, Orange) -(Braun, Schwarz, Orange) -(Brun, Svart, Gul) -(Ruskea, Musta, Oranssi) -(Marrón, Negro, Naranja) -(Castanho, Preto, Laranja) -(Marrone, Nero, Aranciato)

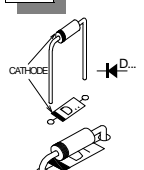
(Brown, Black, Yellow) -(Bruin, zwart, Geel) -(Brun, noir, Jaune) -(Braun, Schwarz, Gelb) -(Brun, Svart, Gul) -(Ruskea, Musta, Keltainen) -(Marrón, Negro, Amarillo) -(Castanho, Preto, Amarelo) -(Marrone, Nero, Giallo)

(Brown, Black, Red) -(Bruin, Zwart, Rood) -(Brun, Noir, Rouge) -(Braun, Schwarz, Rot) -(Brun, Svart, Röd) -(Ruskea, Musta, Punainen) -(Marrón, Negro, Rojo) -(Castanho, Preto, Encarnado) -(Marrone, Nero, Rosso)

(Orange, Orange, Yellow) -(Orange, Oranje, Geel) -(Orange, Orange, Jaune) -(Orange, Orange, Gelb) -(Orange, Orange, Gul) -(Oranssi, Oranssi, Keltainen) -(Naranja, Naranja, Amarillo) -(Laranja, Laranja, Amarelo) -(Aranciato, Aranciato, Giallo)

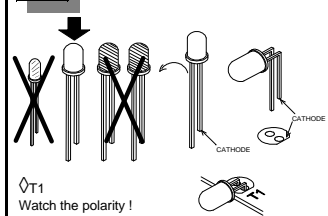
(Yellow, Purple, Yellow) -(Geel, Paars, Geel) -(Jaune, Violet, Jaune) -(Gelb, Violet, Gelb) -(Gul, Lila, Gul) -(Keltainen, Purppura, Keltainen) -(Amarillo, Morado, Amarillo) -(Amarelo, Violeta, Amarelo) -(Giallo, Viola, Giallo)

2 DIODES



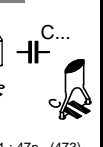
◇D1, D2, D3: 1N4007
Watch the polarity!
Att. la polarité!

3 PHOTOTRANSISTOR



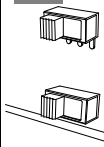
◇T1
Watch the polarity!
Att. à la polarité!

4 CAPACITOR



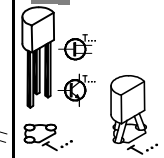
◇C1: 47n (473)
◇C2: 47n (473)

5 SWITCH



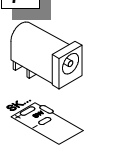
◇SW1

6 TRANSISTORS



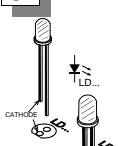
◇T1 : BC547C

7 POWER JACK



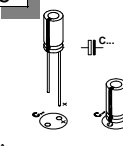
◇SK1

8 LED



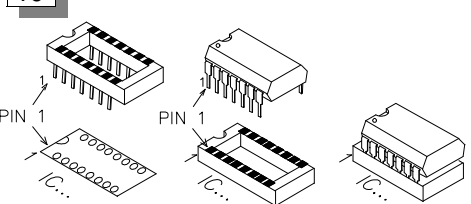
◇LD1 (3mm)
Watch the polarity!
Att. à la polarité!

9 ELECTROLYTIC CAPACITORS



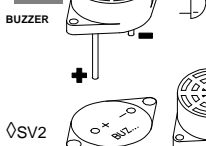
◇C3, C4 : 2.2µF
◇C5 : 1000µF
Watch the polarity!
Att. à la polarité

10 IC SOCKET AND IC



◇IC1 : 324 (224, 124)

11 BUZZER



◇SV2

12 BATTERY HOLDER

