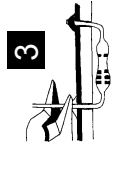
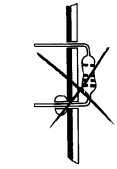
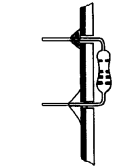
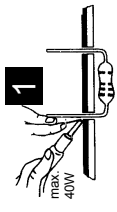
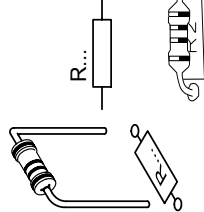


Soldering - Solderen - Soudage - Lötten - Soldadura - Lötning - Juottaminen - Saldatura - Solda



**1** START

Resistor - Weerstand - Resistance - Widerstand - Resistencia - Mot land - Vastus - Resistenze



◇ R1 ... R3 : 1K5

◇ R4 : 10K

◇ R5 ... R7 : 560

◇ R8 ... R12 : 150

◇ R13, R14 : 1K

(Brown, Green, Red) - (Brun, Groen, Rood) - (Brun, Vert, Rouge) - (Braun, Grün, Rot) - (Brun, Grün, Rott) - (Ruskea, Vihreä, Punainen) - (Marrón, Verde, Rojo) - (Castanho, Verde, Encarnado) - (Marrone, Verde, Rosso)

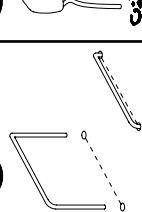
(Brown, Black, Orange) - (Bruin, Zwart, Oranje) - (Brun, noir, Orange) - (Braun, Schwarz, Orange) - (Brun, Svart, Orange) - (Ruskea, Musta, Oranssi) - (Marrón, Negro, Naranja) - (Castanho, Preto, Laranja) - (Marrone, Nero, Aranciato)

(Green, Blue, Brown) - (Groen, Blauw, Bruin) - (Vert, Bleu, Brun) - (Grün, Blau, Braun) - (Grün, Blau, Bru) - (Vihreä, Sininen, Ruskea) - (Marrón, Azul, Marrón) - (Verde, Azul, Castanho) - (Verde, Blu, Marrone)

(Brown, Green, Brown) - (Bruin, Groen, Bruin) - (Brun, Vert, Brun) - (Braun, Grün, Braun) - (Brun, Grün, Bru) - (Ruskea, Vihreä, Ruskea) - (Marrón, Verde, Marrón) - (Castanho, Verde, Castanho) - (Marrone, Verde, Marrone)

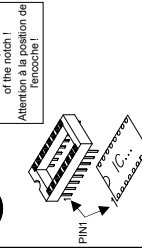
(Brown, Black, Red) - (Bruin, Zwart, Rood) - (Brun, Noir, Rouge) - (Braun, Schwarz, Rot) - (Brun, Svart, Rott) - (Ruskea, Musta, Punainen) - (Marrón, Negro, Rojo) - (Castanho, Preto, Encarnado) - (Marrone, Nero, Rosso)

**2** JUMPER



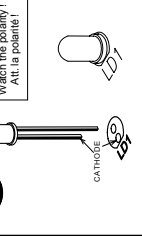
◇ J

**4** IC-socket



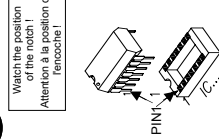
◇ IC1 : 14p

**5** 3mm LEDs



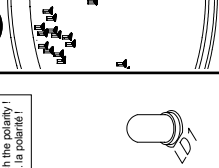
◇ LD2 ... LD4 : 3mm red  
◇ LD6 ... LD26 : 3mm red

**6** IC-socket



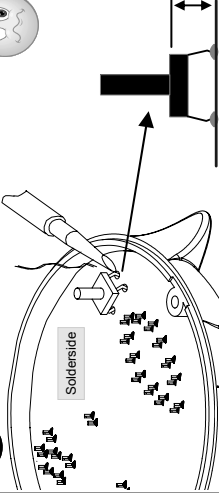
◇ IC1 : VKM175  
(programmed PIC (8P83)P)

**7** 5mm LEDs

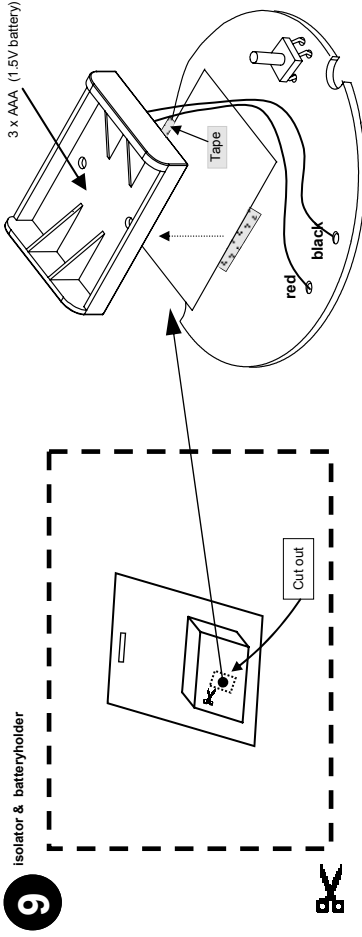


◇ LD1 : 5mm red  
◇ LD5 : 5mm red

**8** Push button

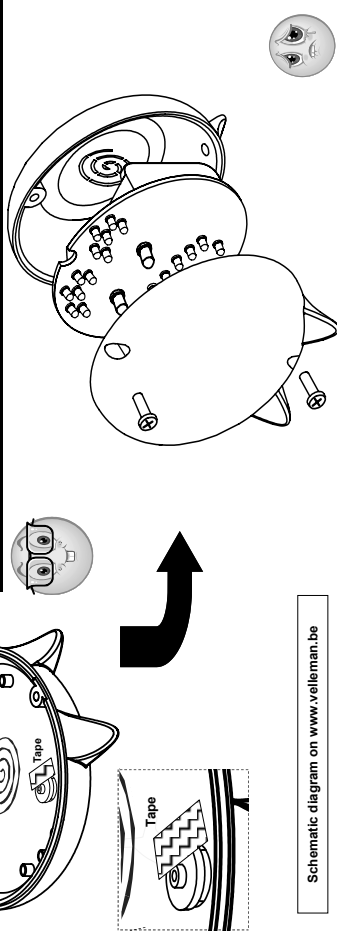
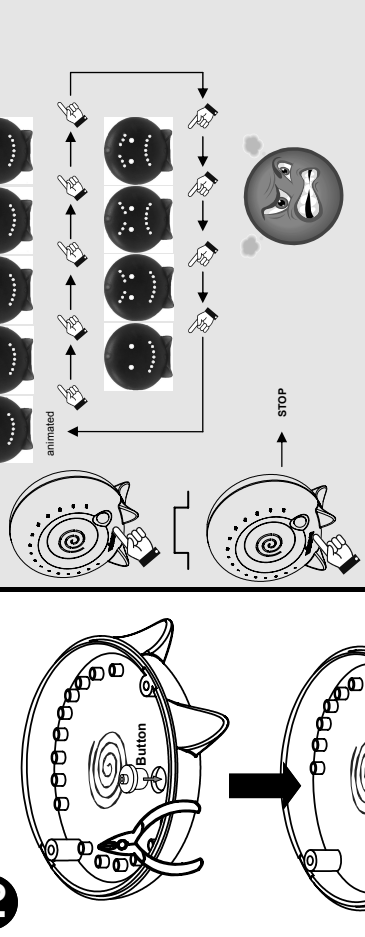


◇ SW1 : on/off/express



**10**

◇ out. nr. : 8,9,10,15,20,25



Schematic diagram on [www.velleman.be](http://www.velleman.be)