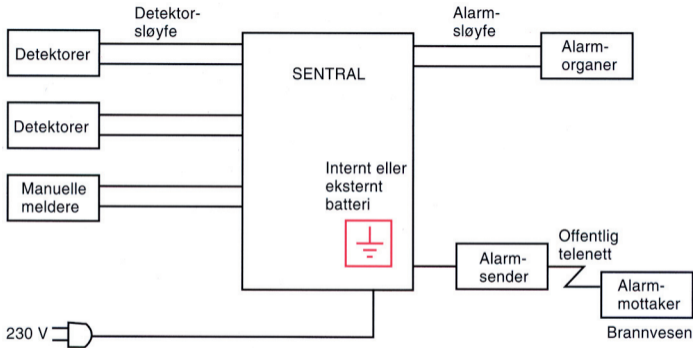


Illustrasjoner til Kommunikasjonsanlegg Vg2 elenergi

Kapittel 3

Illustrasjonene kan brukes fritt i undervisningen

© Elforlaget 2010



Figur 3.1 Prinsippskjema for et brannalarmanlegg



Figur 3.2 Markeringslys



Figur 3.3 Dørlukkermagnet



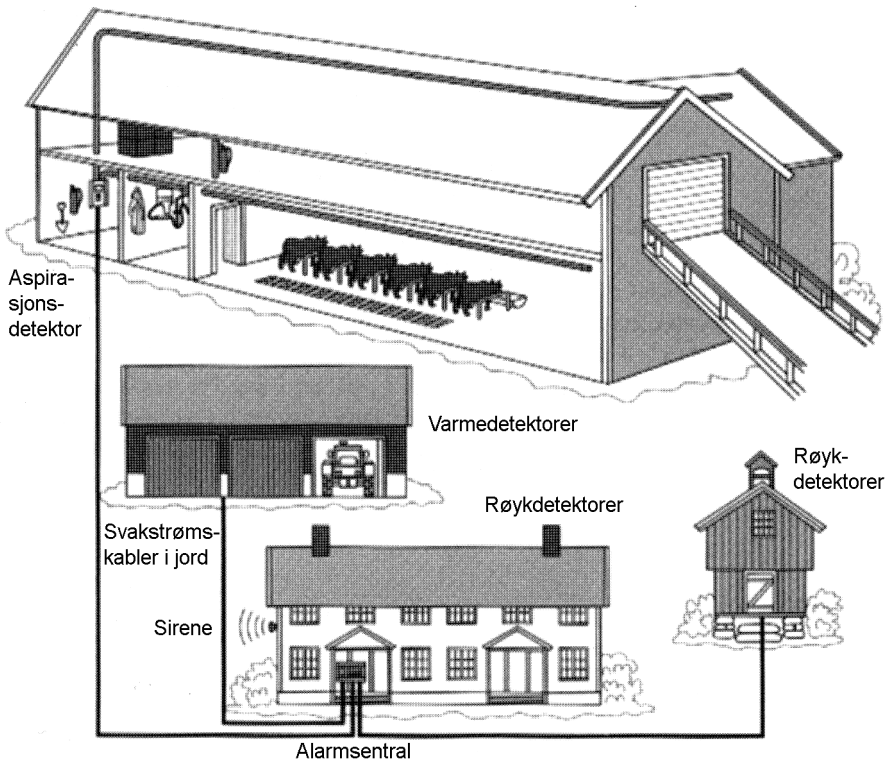
Figur 3.4 Magnum6



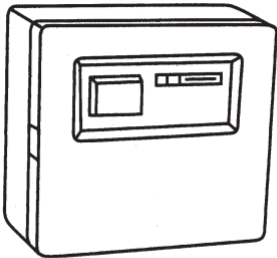
Figur 3.5 Royal



Figur 3.6 Baron20



Figur 3.7 Brannvarsling i landbruket



Figur 3.8 Utkoblingsbryter



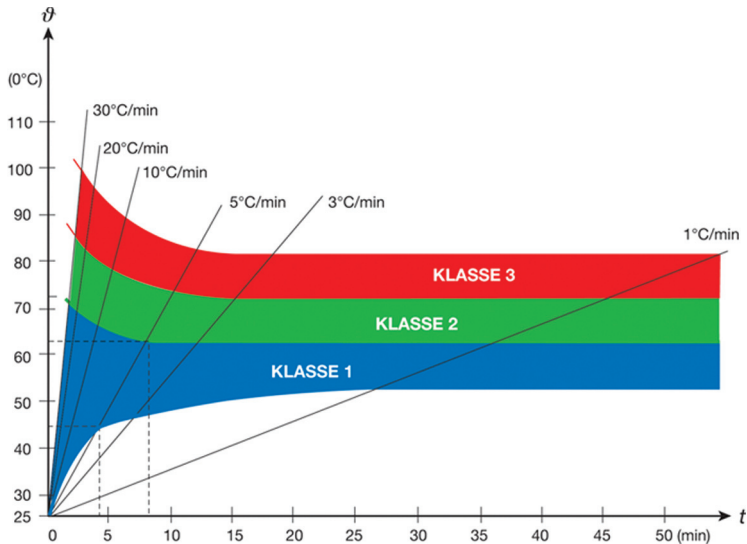
Figur 3.9 Brannalarmsentral



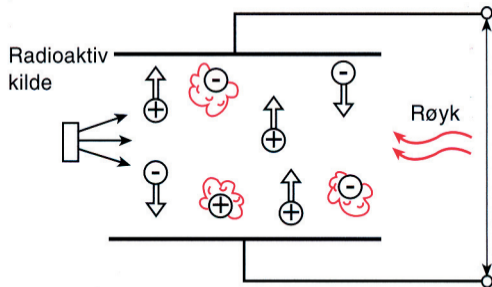
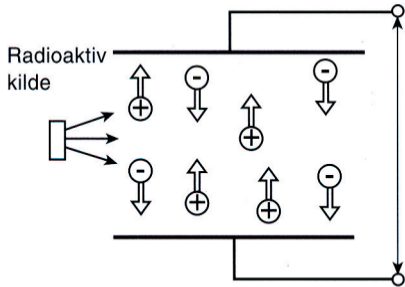
Figur 3.10 Betjeningspanel



Figur 3.11 Varmedetektor



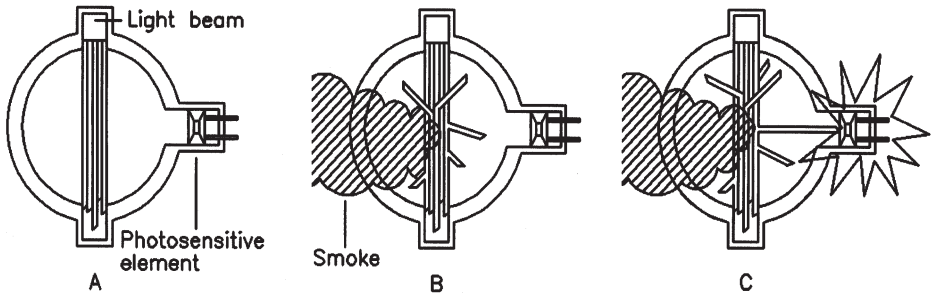
Figur 3.12 Responstid for varmedetektorer



Figur 3.13 Prinsippet for ionedetektoren



Figur 3.14 Ionedetektor



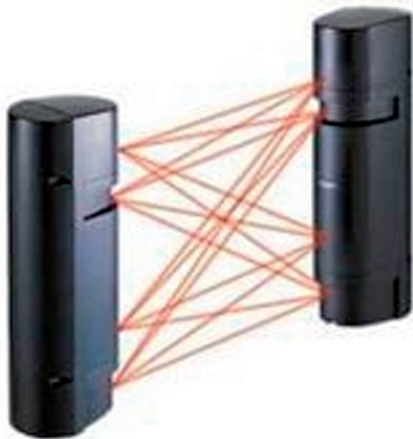
Figur 3.15 Optisk røykdetektor, prinsippskisse for virkemåte (kilde: NBF)



Figur 3.16 Optisk detektor



Figur 3.17 Aspirasjonsdetektor montert på vegg med tilhørende røranlegg



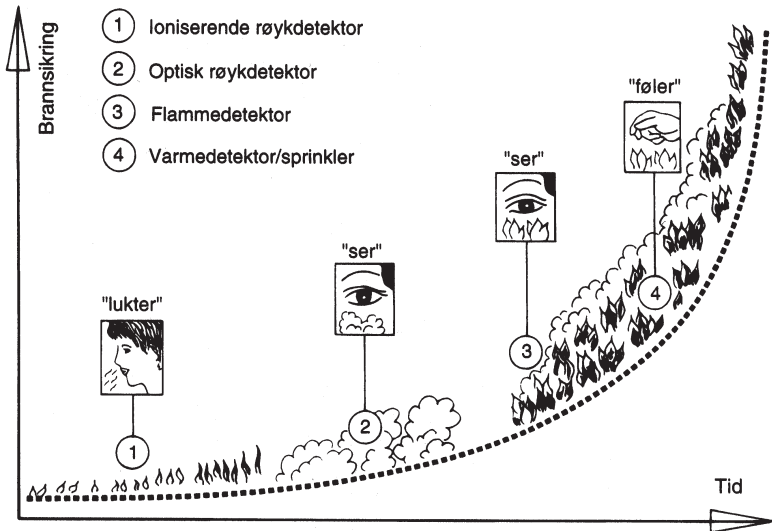
Figur 3.18 Linjedetektor



Figur 3.19 Flammedetektor



Figur 3.20 Manuell brannmelder



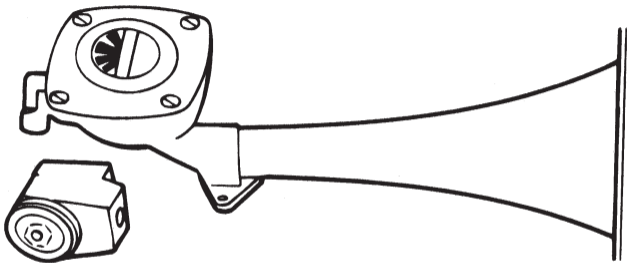
Figur 3.21 Detektorenes reaksjonstid



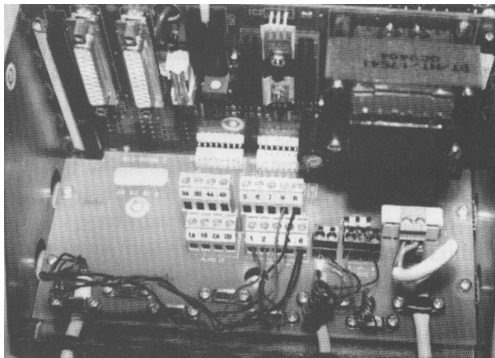
Figur 3.22 Alarmklokke



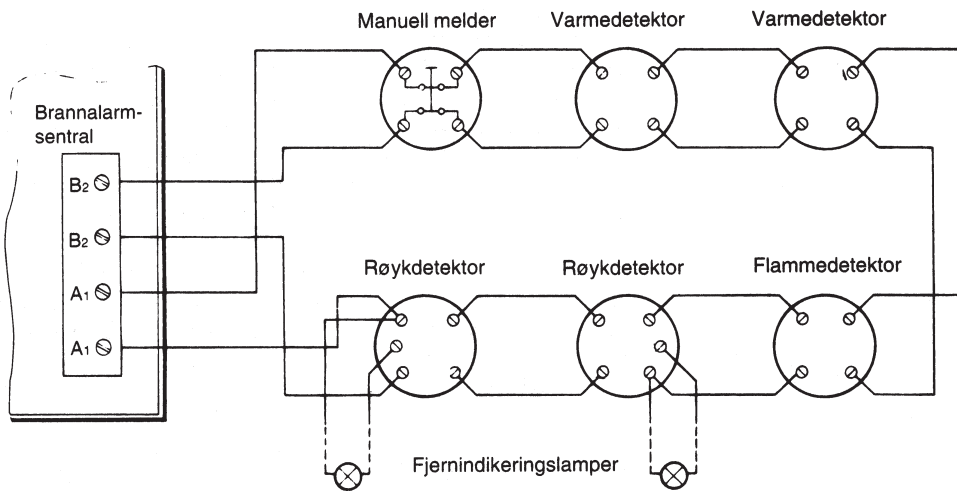
Figur 3.23 Sirene



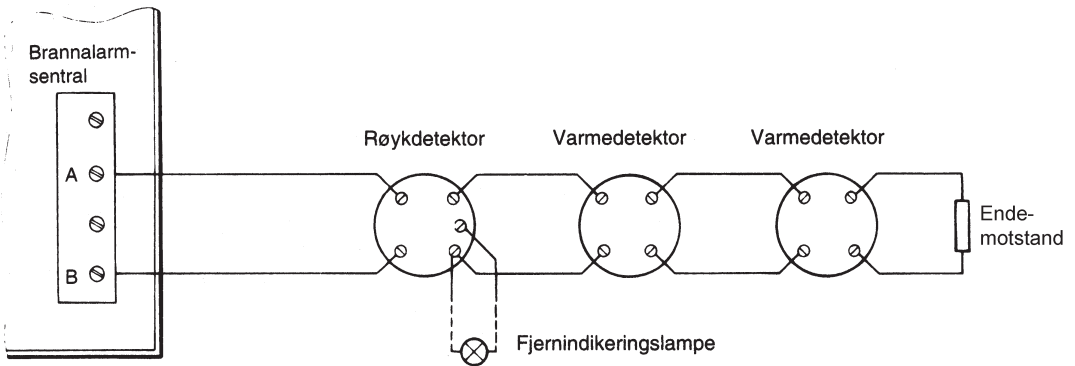
Figur 3.24 Pneumatisk tyfon



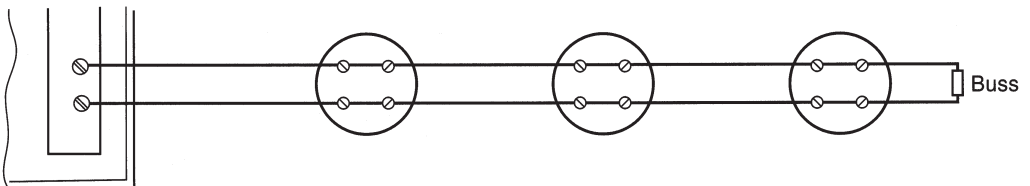
Figur 3.25 AL-TEL-utstyr



Dobbeltsløyfe

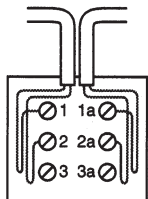


Enkelsløyfe



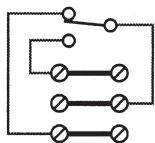
Figur 3.26 Sløyfeprinsipper inkludert busskabel

Det er alltid kontakt mellom 1 og 1a, 2 og 2a, 3 og 3a



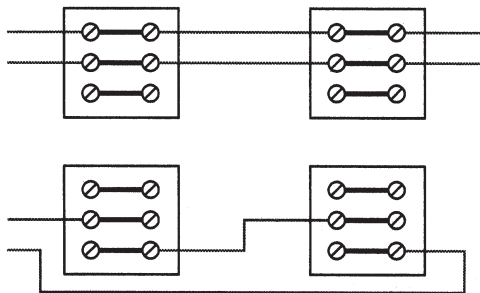
	Glass ok	Glass knust
1-2	∞	0Ω
2-3	0Ω	∞

1-2
2-3



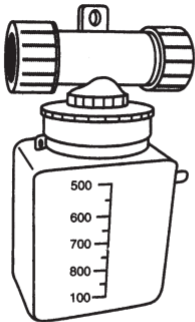
Intern kobling
Bryteren skifter posisjon når glasset blir knust

Virkemåte

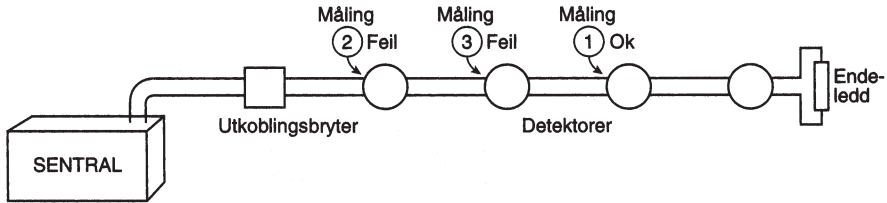


Alternative koblinger

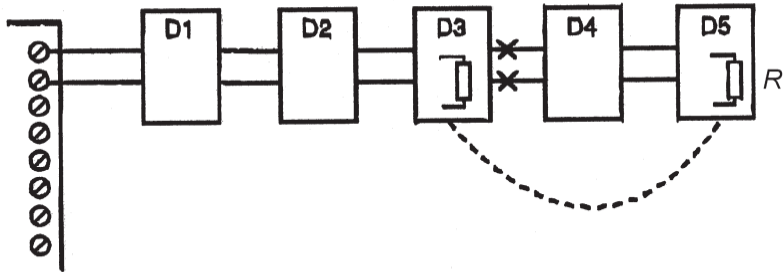
Figur 3.27 Kobling av manuell melder



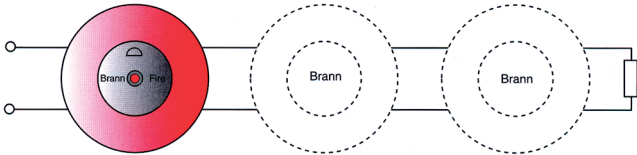
Figur 3.28 Kondensflaske



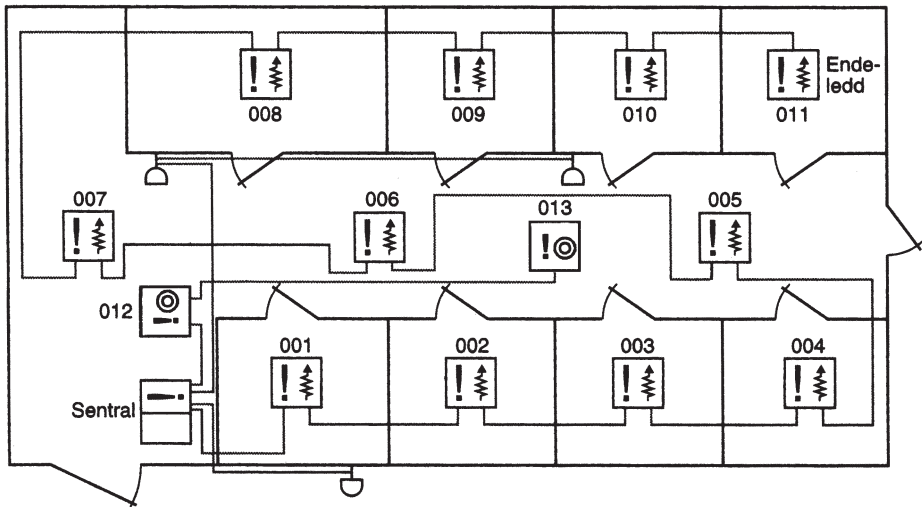
Figur 3.29 Halveringsmetoden



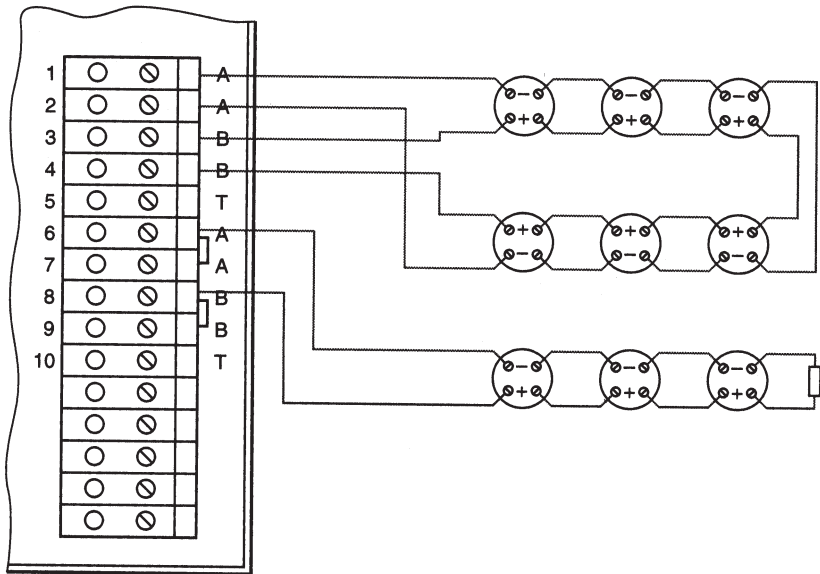
Figur 3.30 Flytting av endemotstand



Figur 3.31 Klokkekurs



Figur 3.32 Installasjonstegning for brannalarmanlegg (kabelføringen er ikke inntegnet)



Figur 3.33 Eksempel på koblingskjema med dobbeltsøyfe og enkelsøyfe