

Photoelectric Smoke Detector

- **Model** : **CL-180**
- **Input Voltage Range** : 16 ~ 32 V DC (DC24V)
- **Alarm Current** : 60 mA (Max)
- **Standby Current** : 60 uA average, 90 uA peak @ 24V DC
40 uA average, 60 uA peak @ 16V DC
- **Environmental Temperature** : 32°F ~ 140°F
- **Relative Humidity** : 0 ~ 95 % RH
- **Sensitivity** : Nominally set at 10 % / 50 cm
- **Aux.Relay Rating** : 0.5A @ 120V AC / 1A @ 24V DC



CL-180

EFFECTIVE WARNING AREA			
Height above the ground	Below 4 M	4 ~ 8 M	8 ~ 15 M
Building	100M ²	50M ²	30M ²

DETECTOR STRUCTURE			
Appearance	Weight	Diameter	Height
Ivory	170 g	10.6 cm	5 cm

Fixed Temperature Detector



CL-181

- **Model** : **CL-181**
- **Input Voltage Range** : 16 ~ 32V DC (DC24V)
- **Alarm Current** : 60 mA (Max)
- **Standby Current** : 0 uA @ 24V DC
- **Environmental Temperature** : 32°F ~ 100°F
- **Relative Humidity** : 0 ~ 95 % RH
- **Sensitivity** : 135°F
- **Aux.Relay Rating** : 0.5A @ 120 V AC / 1A @ 24V DC

EFFECTIVE WARNING AREA		
Height above the ground	Below 4 M	4 ~ 8 M
Building	20M ²	15M ²

DETECTOR STRUCTURE			
Appearance	Weight	Diameter	Height
Ivory	130 g	10.6 cm	5 cm

Rate Of Rise Detector



CL-182

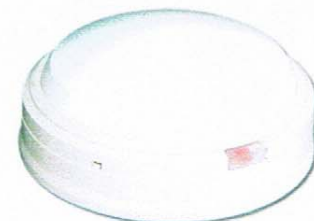
- **Model** : **CL-182**
- **Input Voltage Range** : 16 ~ 32 V DC (DC24V)
- **Alarm Current** : 60 mA (Max.)
- **Standby Current** : 35 uA Peak @ 24 V DC
- **Environmental Temperature** : 32°F ~ 140°F
- **Relative Humidity** : 0 ~ 95% RH
- **Sensitivity** : 30 Sec. Plus 86°F

EFFECTIVE WARNING AREA		
Height above the ground	Below 4 M	4 ~ 8 M
Building	20M ²	15M ²

DETECTOR STRUCTURE			
Appearance	Weight	Diameter	Height
Ivory	130 g	10.6 cm	5 cm

Rate Of Rise Detector

- **Model** : **CL-183**
- **Input Voltage Range** : 16 ~ 32V DC (DC24V)
- **Alarm Current** : 60 mA (Max)
- **Standby Current** : 35 uA peak @ 24V DC
- **Environmental Temperature** : 32°F ~ 140°F
- **Relative Humidity** : 0 ~ 95 % RH
- **Sensitivity** : 30 sec. Plus 86°F
- **Aux.Relay Rating** : 0.5A @120V AC / 1A @ 24V DC



CL-183

EFFECTIVE WARNING AREA		
Height above the ground	Below 4 M	4 ~ 8 M
Building	20M ²	15M ²

DETECTOR STRUCTURE			
Appearance	Weight	Diameter	Height
Ivory	130 g	10.6 cm	5 cm