

● **Wet Chemical Extinguishing System(K₂CO₃)**

※ Special Feature

1. Extinguishing Agent : K₂CO₃ Pressure Type (N₂ Charging)
2. Charging Pressure : 0.75 ~ 0.98 Mpa
3. Extinguisher Operation : Geared Motor (12 VDC)
4. Cylinder Materials : SUS (STS 304)
5. Cylinder Dimension : 95 mm x 104 mm
6. Pressure Gage : Bourdon Type
7. Gas Detection : LNG Gas

※ Uses

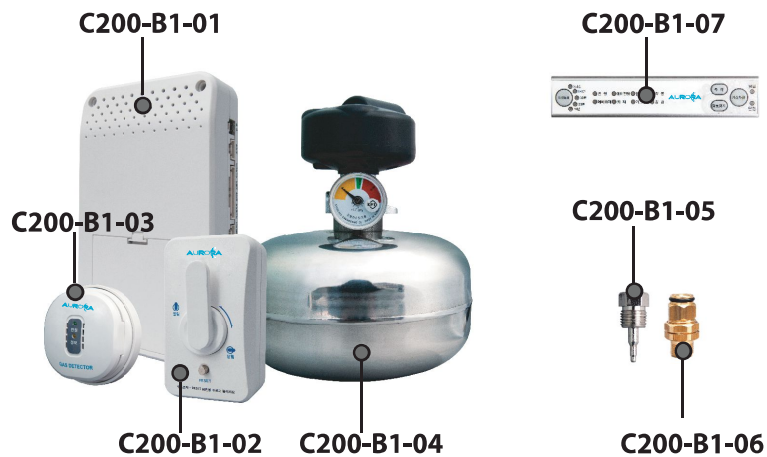
for Kitchen Oil Fire(mounted sinks)



● **Specifications**

Model	Detecting Temperature	Protected Volume	Extinguishing Agent	Extinguishing Agent Volume (L)
C200-A1-08	100 °C / 140 °C 212 °F / 284 °F	0.64 m x 0.64 m	K ₂ CO ₃ Pressure type	0.8
C200-A1-10	same as above	same as above	same as above	1.0
C200-B1- 08 xx/xx	same as above	same as above	same as above	0.8
C200-B1- 10 xx/xx	same as above	same as above	same as above	1.0

1. Controller
2. Gas Valve Switch
3. Gas Detector (LNG)
4. Extinguisher (K₂CO₃)
5. Temperature Sensor
6. Discharging Nozzle
7. Operation Panel



● **Product Configurations**

. Parts Code

C200 - B1 - 01 : Controller

C200 - B1 - 02 : Gas Valve Switch

※ only B1 type

C200 - B1 - 03 : Gas Detector

C200 - B1 - 04 : Extinguisher Body
(Extinguishing Agent filled)

C200 - B1 - 05 : Temperature Sensor

C200 - B1 - 06 : Discharge Nozzle

C200 - B1 - 07 : Operation Panel

. Order No.

C200 - A1 - xx

08 : 0.8L

10 : 1.0L

※ all parts (C200-B1-01/02/03/04/05/06/07)

C200 - B1 - xx/xx

03 : C200-B1-03
including Gas Detector

00 : default

02 : C200-B1-02
including Gas Valve Switch

The default configuration

C200-B1-00 (C200-B1-01/04/05/06/07 combination)

● **System Operation**



1. cook(use gas)



2. Fire → detect 100°C (1st)

Gas Valve close

Gas Valve Switch



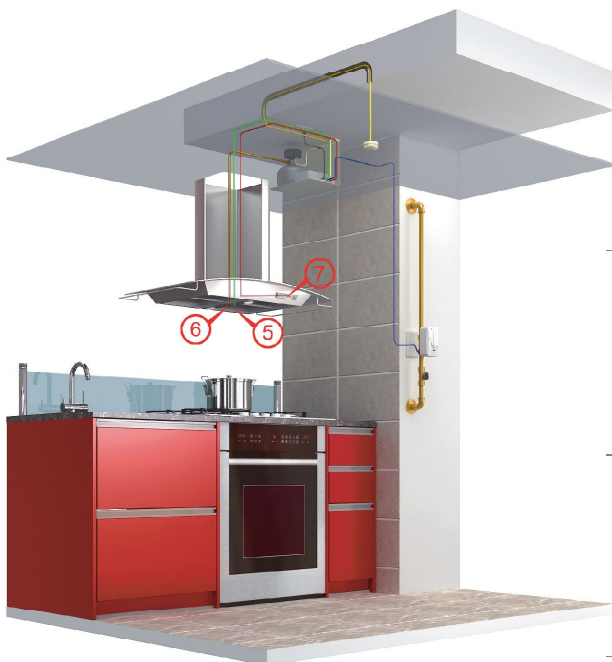
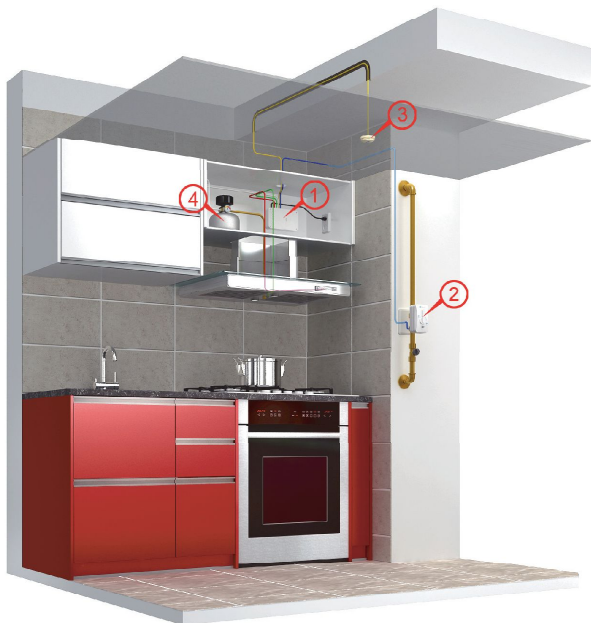
3. detect 140°C (2nd)

Fire Extinguisher operation



4. extinguish fire

● Component & Installing



1 Controller



Input Power	85 ~ 240 VAC
Back Up	Ni - Cd (12 VDC 600 mAh)
Output Signal	RS-485 (for Home Automation)
Dimension	105(W) x 175(H) x 38(D) mm

2 Gas Valve Switch



Input Power	12 VDC
Application	for 20A Valve
Operation Time	Geared Motor 8 sec < (use battery 16 sec <)
Dimension	60(W) x 100(H) x 51(D) mm

3 Gas Detector



Input Power	12 ~ 18 VDC
Detecting	Catalytic Sensing (LNG)
Alarm Level	0.06 % ~ 1.25 %
Dimension	65.4(D) x 27.5(T) mm

4 Fire Extinguisher



Extinguishing Agent	Wet Chemical (K ₂ CO ₃) 0.8L
Operation	DC Geared Motor
Materials	SUS (STS 304)
Type	Stored Pressure Type
Charging Pressure	0.75 ~ 0.98 MPa
Protecting Volume	0.4 m ² (0.64 m x 0.64 m)
Dimension	95(D) x 140(H) mm (only cylinder)

5 Temperature Sensor



Range	1 Step → 100 °C 2 Step → 140 °C
Type	Thermister (Glass Type)

6 Discharging Nozzle



Discharging Angle	80 degrees >
Installing Height	0.55 ~ 0.75 m

7 Operation Panel



Installing	Hood
Dimension	130(W) x 25(H) x 6(D) mm