

# ies

## DRY CHEMICAL POWDER AUTOMATIC (DCP) FIRE SUPPRESSION SYSTEM (BFIRE50)



<https://iespl.com.sg>

## »»» GENERAL SPECIFICATION

- Fire extinguishing chemical: Dry Chemical Powder (DCP)
- Quantity of nozzle per warehouse, station: 16 pcs or more (depend on system design)
- Protected area: Appr. 130 m<sup>2</sup>
- Quantity of DCP cylinder: 04 cylinders or more (depend on system design)
- Quantity of activation cylinder: 01 cylinder/system
- Set of product is completed in OECD countries, Country of origin of set of product is OECD countries

## »»» FIRE ALARM CONTROL PANEL

- High sensitivity 0.03 Obs/m ÷ 25 Obs/m
- Standard: EN
- 4 sampling pipes, up to 200m maximum total length
- Large area detect up to 2000m<sup>2</sup>
- Power supply: 20 ÷ 30 VDC



## »»» SYSTEM CONTROLLER

- System controller with 6 input zone (cross zone support)
- Standard: UL
- Release time delay 0 ÷ 60 s ( 5s increments)
- Manual release delay 0 ÷ 30 s (5s increments)
- Power supply: 220 VAC



## »»» FIRE HORN AND STROBE

- Type: LED
- Standard: UL 464
- Power supply: 24 VDC



## »»» FIRE BELL

- Size: 10 inch
- Sound level: 85 db at 3 m
- Power supply: 24 VDC/20 mA
- Standard: UL/FM



## »»» MANUAL FIRE LARM BUTTON

- Glass cover and break glass type with red color



## »»» FIRE ABORT BUTTON

- Emergency abort press and hold button, yellow/green color



## »»» BACK-UP POWER SUPPLY

- Backup power supply to ensures at least 12 hours at normal operation mode and 1 hour alarm mode. (NFPA; TCVN 5738-2001)



## »»» CABLE

- PVC insulated cables type.
- Cable routing for fire alarm system is separate with another system.
- Cable size 1.5 mm<sup>2</sup>



## »»» DRY CHEMICAL POWDER (DCP) FIRE EXTINGUISHER

- Ingress protection: IP54
- Weight of powder per cylinder: 50 kg
- Quantity of cylinder: 04 cylinders or more, depend on system require.
- Cylinder material: Carbon steel
- Fire extinguishing chemical: Dry Chemical Powder (DCP)
- Activation gas: Inert gas



## »»» NOZZLE

- Nozzle is suitable for each installation area and spraying capacity. The number of nozzles depends on the layout area of the warehouse.



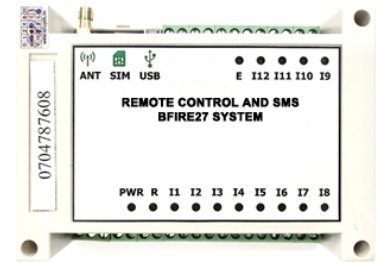
## »» GALVANIZED STEEL PIPE

- Diameter 25 mm
- Thickness 2.6 mm



## »» REMOTE CONTROL, DISPLAY CENTER BOX AND MESSAGE

- Control box is integrated with RF wireless signal transmission at 433 MHZ frequency to Control Center following these information:
  - + Level 1 alarm, Level 2 alarm, Abort button is activated, system has be discharged, system trouble. And receive comment from Control Center to active Abort button and turn off horn and strobe
  - + Control box transmits signals 24/24 to the Control Center to monitor the system status 24/24
  - + Automatically to send messages when alarms occur to designated phone numbers
- Control Center includes: Display screen complete with signal receiver box for monitoring control panel from warehouses with detailed specification:
  - + Screen size:  $\geq 40$  inch
  - + Wireless receiving frequency 433 MHZ, 24/24 monitoring
  - + Information is display by intuitive graphics
  - + Power supply: 24 VDC
  - + Alarm by sound and visual graphics





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