

CN120A

Flame Detector

The CN120A is photoconductive flame-sensing device for sequencing oil burner systems using Protectorelay Cad cell primary controls. The sensing element is cadmium sulfide; its resistance decreases in the presence of light. An oil flame lowers the cell resistance to the point where an electric current can pass through it and actuate a Protectorelay control component. Flame failure causes the cell to stop conducting, resulting in the Protectorelay control safely shutting off the burner.



Specifications	
Ambient temperature	60°C max. at the cell
Leadwire length	100cm
Mounting	Use of screws (End view)
Weight	Approx. 50g
Protectorelay	R4313A, B, C, D, E R4401B R4150 R4303

Selection Guide	
Model No.	Description
CN120A	Flame detector

Dimensions (unit:mm)

