C554A, C572A, CN700

Flame Detectors

C554A

C572A

CN700

The C554A, C572A and CN700 are photoconductive flame-sensing devices 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

• User's manual No. : AI-1038E (C554A)

Selection Guide

Selection							Description
Model No.	**C554A1299-1**	↓					End view, vertical-bracket mounting
	C554A06S1-1		↓				End view, horizontal-bracket mounting
	C572A1002-1			↓			End view, flange mounting
	C572A1010-1				↓		Side view, flange mounting
	CN700					↓	End view, PF 3/4 screw boiler wall mounting
Illuminance resistance		○	○	–	–	○	2kΩ max.
		–	–	○	○	–	15kΩ max.
Darkness resistance		○	○	–	–	○	100kΩ min.
		–	–	○	○	–	80kΩ min.
Weight		○	○	–	–	–	50g
		–	–	–	–	○	360g
		–	–	○	○	–	20g

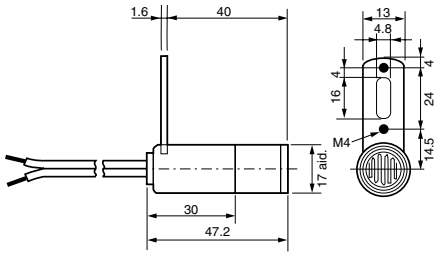
Optional Part

Part No.	Description
187660A	Element for C554A1299-1

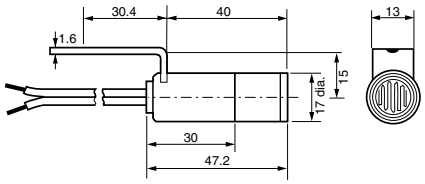
Dimensions

(unit:mm)

• C554A1299-1



• C554A06S1-1



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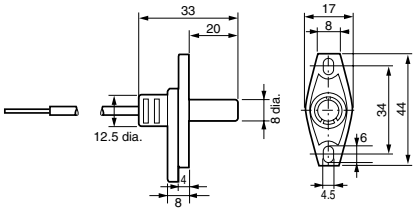

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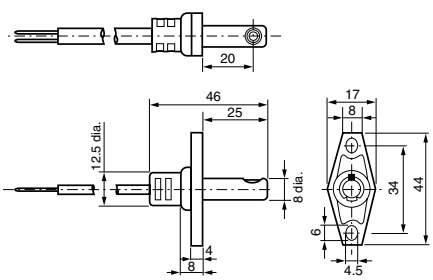
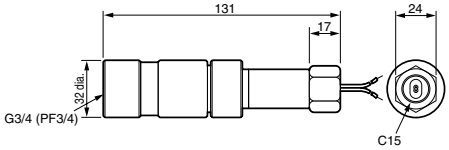
• CN700