

RIV-601P/F IR flame detector operation

The RIV-601P/F infrared Flame Detector turns on into the alarm state after a pre-set delay time (waiting time) from the moment a flame is started and is seen inside the 90° field of view.

As soon as the flame stops, the detector returns back to the stand-by state.

If the flame duration is less than the delay time, then the detector never reaches the alarm state and the time count is reset to zero.

The delay time is set to 5 sec. during production. It can be adjusted within the setting range of 1 to 10 sec. by the customer during the installation by turning the one-turn screwdriver potentiometer.

The detector field of view is a 90° cone, starting at the optical window centre.

Outside the field of view the detector sensitivity is lower but not zero, due to reflection from walls and objects. For the same reason the detector can see behind obstacles.

This flame detector can be used for all the applications, indoors and outdoors, where there is a high risk of fast spreading fire (fuels, flammable liquids, etc.), and an immediate alarm is required.

