



G002262

Conventional Dual Infrared Flame Detector

Salwico EVC-IR

Part no. 5200039-00A

System: All Salwico fire alarm systems

General description

Salwico EVC-IR is an Evolution conventional flame detector with dual infrared wavelength sensors. Traditional UV and IR flame detectors, in their singular form, are susceptible to unwanted alarms. These false alarm sources differ for each type of flame detector, however with dual infrared detector both elements must receive an alarm signal prior to initiating a fire alarm signal to the fire control panel.

The low profile combined with the Omniview™ alarm indication makes the detector suitable for sites with high architectural requirements.



NOTE

Detector EVC-IR sometimes requires special base, with built-in serial resistor, see separate document "Base Matrix".

Data

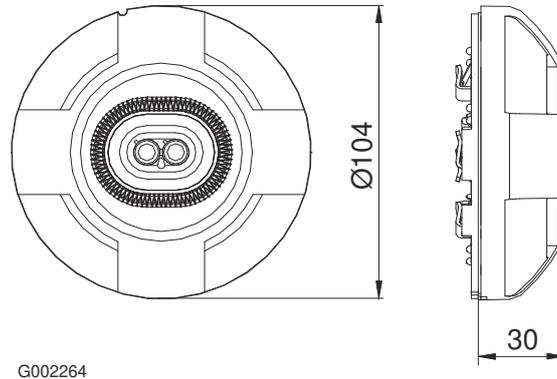
Function	Conventional
Nominal voltage	24 VDC
Working voltage	10–32 VDC
Working current	< 130 µA
Alarm current	Max 65 mA
Sensor viewing angle	100° Max (±50°)
Current for remote indication	Max 2 mA
Ingress protection	Depending on base
Relative humidity	≤ 95% RH non-condensing
Temperature range	-25°C to +70°C
Certified according to	Ⓢ 2831/yy
	yy = year of production
Cover material	ABS/PC alloy
Colour	White
Weight	~130 g

For information about suitable base plates, see separate document "Base Matrix".

Testing

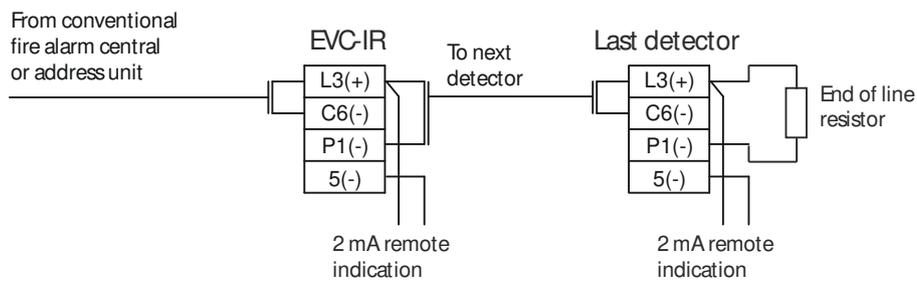
For functional test, use IR Flame Detector Tester, part no. 5100554-00A.

Dimensions (mm)



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Connection



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Figure 1. Connection for EVC-IR

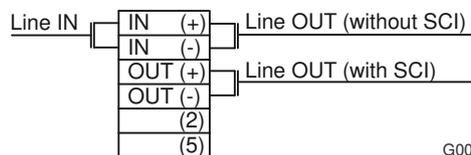
Communication with an addressable fire alarm central

This unit is normally installed together with base EV-SPB-BI to add the functionality to communicate with an addressable fire alarm central.



TIP

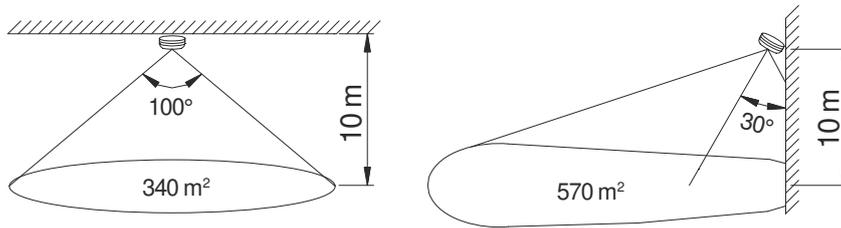
For more information please check the EV-SPB-BI datasheet.



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Figure 2. Connection for EV-SPB-BI

Installation



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Preventive measures



CAUTION

The flame detector is sensitive to and may have false alarms or no response when exposed to the following false stimuli; electric heater, incandescent light, halogen light and direct sunlight.

Avoid the detector to be exposed for these false stimuli sources.