IP55 base
Salwico 2IP55

Part no. 46950

System: All Salwico fire alarm systems

Description

The 2IP55 is a base for all Salwico IP55 detector adapters. Together with the adapters it is possible to install smoke, heat and flame detectors in harsh environment with an ingress protection up to IP55.
It can be used for both addressable and conventional fire alarm systems.

Data

Cable diameter	Ø6-14 mm
Ingress protection	IP55
Fire class	V1
Temperature range	-30ºC to +100ºC
Material	Polyamide/glass (PA666, 15% GW)
Colour	White
Weight	~100 g

Dimensions (mm)
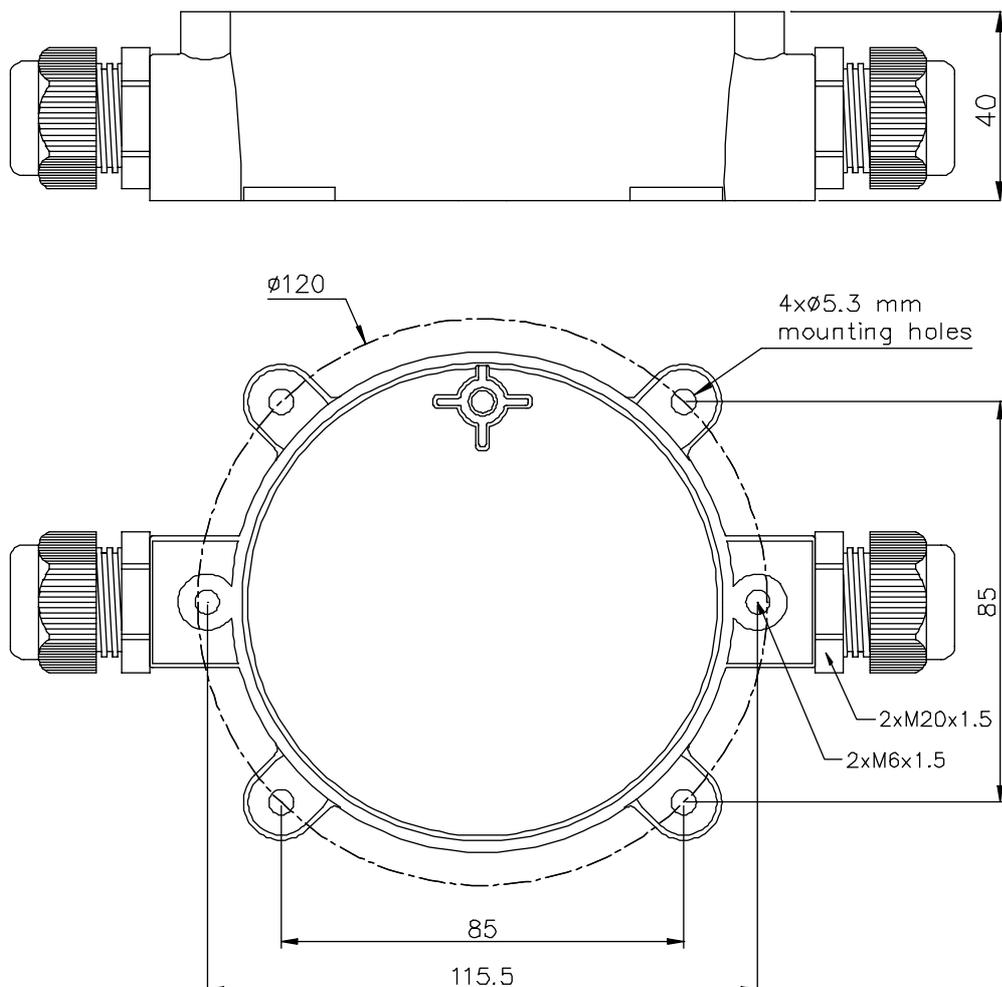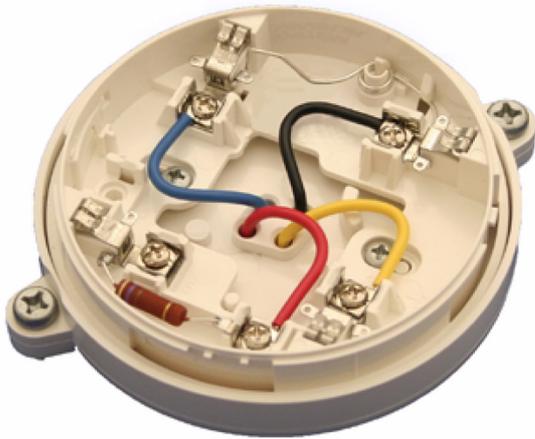
G003186

Detector adapter for wet spaces
Salwico EC-ADAPT
Part no 5200178-00A

System: ServoFighter, Salwico Cargo

General Description

The EC-Adapt is a connection adapter with an integrated 470Ohm serial resistor for installation of EC-type detectors on the IP55 base NS-2IP55 (part no. 46900) or 2IP55 (part no. 46950).
This adapter is used for connection of EC-type detectors to the conventional fire alarm system, in an IP55 environment.

Features

- IP55 Ingress protection
- Compatible with all detectors from EC- range
- Tamper resistant feature
- Detector removal detection
- Remote LED Option

Data

Environmental Specifications

Application Temperature Range	-30°C to +70°C
Humidity	5% to 95% Relative Humidity (non-condensing)

Mechanical Information

Height	44mm
Diameter	107mm
Weight	132g
Wire Gauge for Terminals	0.4mm^2 to 2.0mm^2
Colour	Approximates to RAL9016
Material	PC and ABS
IP Rating	IP55 (With base)
Certified according to:	
OEM Part no.	I56-3771-000

Base Mounting and Wiring Instructions

See Connection for terminal connections.
Sensor LED position marked by diode symbol and arrow on base wall. See (*) on Base diagram in Connection.

i Note!
Do not loop wire under terminals. Break the wire run to ensure supervision of connections.

All wiring must conform to applicable local and national codes and regulations.
Each EC-Base is fitted with a shorting spring to connect across terminals 1 and 2 to permit loop wiring to be checked before installation of sensor heads. This spring automatically disengages when the sensor is fitted into the base.
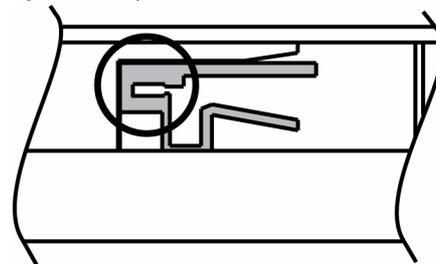
⚠ Warning!
Remove power from sensor monitoring circuits before installing sensors.

Tamper-Resistance

The removal of the small plastic tab on the base indicated in *Figure 1.* prevents the removal of the sensor head without a tool.
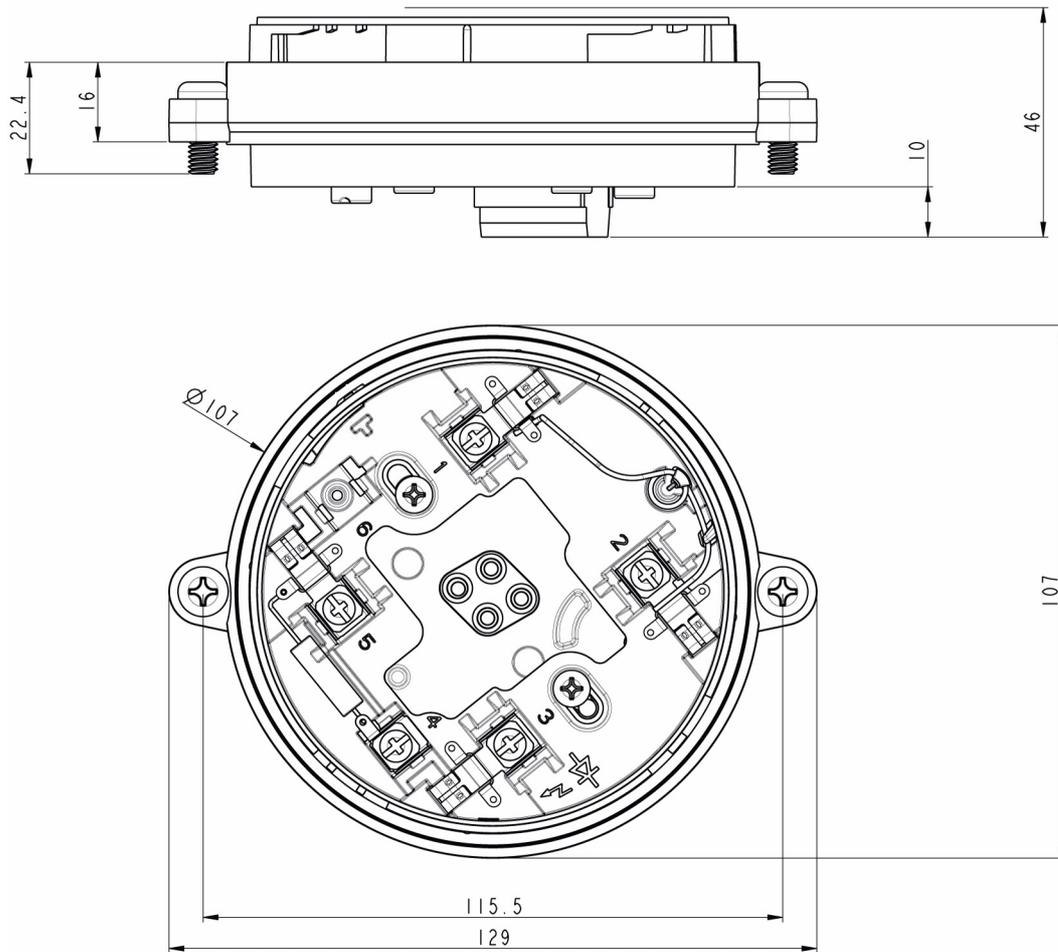
Figure 1. Tamper tab

G003177

⚠ Caution!
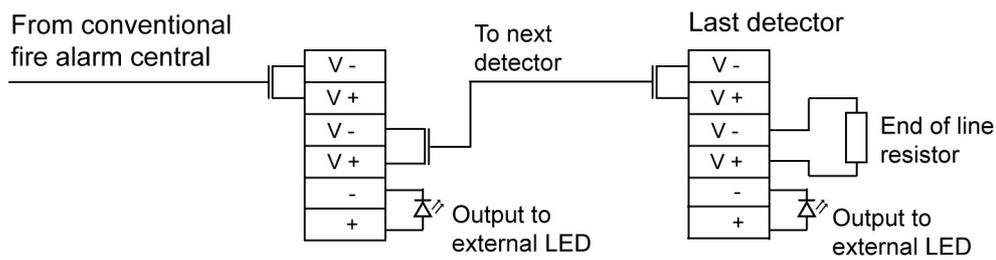The detector will not be detachable from the base once the tamper tab is removed.

Dimensions (mm)

G003546

Connection

From conventional fire alarm central

| V - |
| V + |
| V - |
V +
+

Output to external LED

To next detector

Last detector

| V - |
| V + |
| V - |
V +
+

End of line resistor

Output to external LED

G003545

Consilium

Conventional Smoke Detector
Salwico EC-P

Part no. 5200175-00A

G003163

System: ServoFighter, Salwico Cargo

General Description

The EC-P photoelectric smoke detector belongs to Salwico EC range of detectors. EC-P is a range of conventional detectors, which have been produced using the latest in manufacturing technology and supplied with an array of advanced features, making them 'better by design'.

The EC-P photoelectric smoke detector uses a state of the art optical chamber combined with an application specific integrated circuit (ASIC) to provide quick and accurate detection of fires. A combination of the unique chamber design and other technically advanced features will significantly extend the service intervals before cleaning of the detector becomes necessary.

Features
- Low profile design
- Low current draw
- Automatic drift compensation
- Operates on 12 and 24VDC Systems
- Remote alarm test feature
- Easy Maintenance
- Range of detector bases available
- Remote LED Option
- Approved to EN54 – 7:2000 (Amendment 1)

Data

Electrical Specifications

Operating Voltage Range	8 to 30VDC (Nominal 12/24VDC)
Maximum Standby Current at 25°C	60µA at 24VDC
Maximum Permissible Alarm Current	80mA (current limited by control panel)

Electrical Specifications

Alarm Current at 24VDC	Max 33mA (with EC-BASE or EC-ADAPT)

Environmental Specifications

Application Temperature Range	-30°C to +70°C
Humidity	5% to 95% Relative Humidity (non-condensing)

Mechanical Information

Height	32.5mm (plus 9.5mm for standard base, 21mm for deep base)
Diameter	102mm
Weight	75g (plus 45g for standard base)
Wire Gauge for Terminals	0.4mm^2 to 2.0mm^2
Colour	Approximates to RAL9016
Material	ABS
IP Rating	IP40/IP55 (Depending on base used)

Certificates

Certified according to   0832/14

$C \epsilon$
Conventional Optical Smoke Detector
EN54-7 : 2000 + A1 5200175-00A EC-P 0832-CPD-1555 11
Pittway Tecnologica Srl, Via Caboto 19/3, 34147 TRIESTE, Italy

OEM Part no.   I56-3765-000

Consilium

Detector Bases

For Dry Spaces   5200177-00A EC-BASE

For Wet Spaces   46950 IP55 Base
                      5200178-00A EC-ADAPT IP55

Installation

1. Place the detector into the detector base and rotate clockwise with gentle pressure until the detector drops into place.

2. Continue rotating clockwise until the slot in the detector cover lines up with the lines moulded in the base.
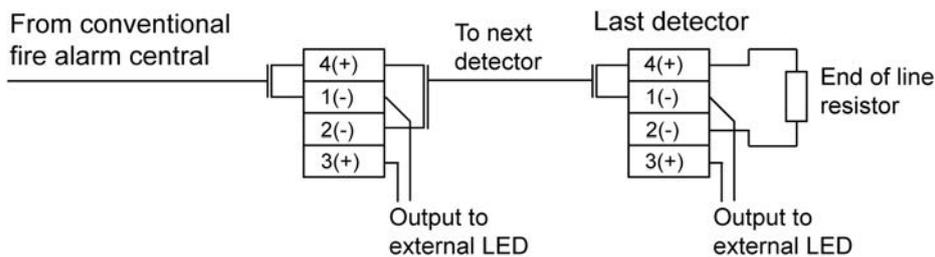
   ⚠️ **CAUTION!**
   Dust covers must be removed first after Commissioning

3. After all detectors have been installed, apply power to the detector monitoring circuits.

   ℹ️ **NOTE!**
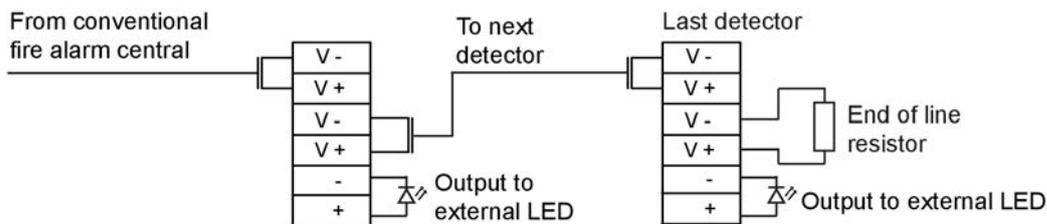   Dust covers must be removed before the system can be made operational.
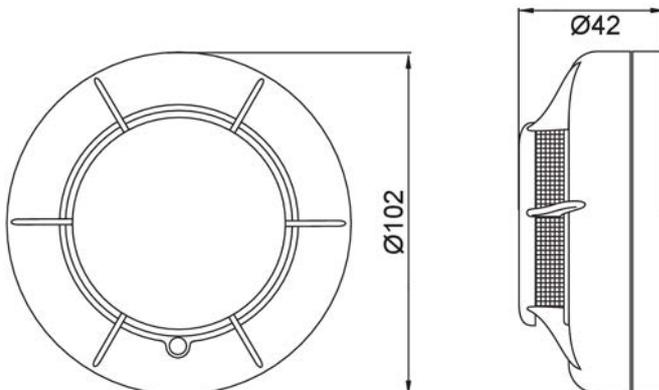
Connection

Connection for EC-BASE

G003189

Connection for EC-ADAPT

G003545

Dimensions (mm)

G003192

Heat Detector IP67
Salwico HC 100 D-IP67

Part no. 038022

G002018

System: C300, C308, C316, CS3000, CS3004, CS4000,
NSAC-1, Salwico Cargo, Salwico Cruise, Salwico Workboat,
Salwico Yacht

General description

The HC 100 D-IP67 is a conventional heat detector for use with all Salwico Fire Alarm Systems. It is delivered complete with adapter and base. In this version of HC 100 the detector and adapter are moulded together and filled with a special moulding compound that gives it high resistance against dampness and vibrations. The detector can not be separated from the adapter. The HC 100 D-IP67 is suitable for location in harsh environments.

The heat sensing element is of thermistor type with a short response time to changes in the ambient temperature. Alarms are optically indicated until they are reset on the central.

The detector is environmentally adapted in aspects of the selection of material and design.

The detector is polarisation independent (unless the remote output is used) which simplifies the installation.
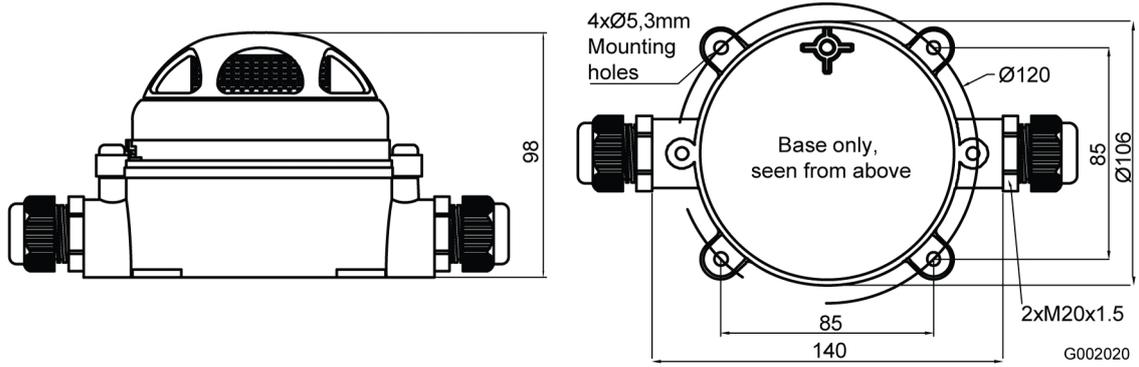
Data

Function	Conventional
Nominal voltage	28 VDC
Working voltage	19–30 VDC
Alarm temperature	100°C
Classification	D, EN54-5:2000
Ingress protection	IP67, IEC60529:2001
Working current	< 25 µA
Alarm current	Max 54 mA
Remote output	Max 2 mA
Ambient humidity	95% RH at 55°C
Temperature range	-25°C to +115°C
Material	PC/ABS
Colour	White
Weight	~420 g
Certified according to	0845/yy

yy = year of production

Cleaning

Only clean outside of detector by using a damp cloth.

The specifications described herein are subject to change without notice.   Data sheet no. 038022_Salwico HC 100 D-IP67_M_EN_2013_A

Consilium   www.consilium.se

Dimensions (mm)

4xØ5,3mm
Mounting
holes

Ø120

Base only,
seen from above

85
Ø106

2xM20x1.5

85

140

G002020

98

Connection

Section

Last detector

C$_6$(-)
L$_{2/3}$(+)
P$_1$(-)
L$_{2/3}$(+)
R$_{4/5}$(-)
L$_{2/3}$(+)

C$_6$(-)
L$_{2/3}$(+)
P$_1$(-)
L$_{2/3}$(+)
R$_{4/5}$(-)
L$_{2/3}$(+)

End of line
resistor

2mA remote
output

2mA remote
output

G008681

Data sheet no. 038022_Salwico HC 100 D-IP67_M_EN_2013_A

Consilium