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Address Unit
Salwico IC10

Part no. 5200272-00A

System: CS3000, CS3004, CS4000, Salwico Cargo, Salwico Cruise, Salwico LNG, Salwico Offshore, Salwico Ro/Pax, Salwico Workboat, Salwico Yacht, Salwico Navy, OEM Extinguish

General Description

The IC10 is an address unit for fire alarm systems. It has been designed for use in dry spaces. This unit allows the connection of different types of devices with closing digital function to the fire alarm system, for example high temperature heat detector or sprinkler indication. Please check the specification for the devices to be connected to IC10 before use.

An activated alarm is indicated by a red LED on the front of the unit ("Door indication" device not included).

The loop address of the IC10 is set by a DIP-switch.

An additional DIP-switch is used to set the type of connected device, see table 2. The device type is shown on the control panel in case of fire or fault.

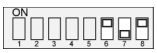
The IC10 is a direct replacement for the discontinued AE-2 series (see replacement table 1 and ID table 2).

Data

Loop nominal voltage	35 VDC
Loop working voltage	22 – 38 VDC
Loop working current	0.2 mA
Minimum sub loop voltage	19 VDC nominal
Output current limit	5 or 15 mA
Output function	Pulsed or steady
EOL (End of line units)	Not included
Ingress protection	IP22
Relative Humidity	At low temperature 95% At high temperature 93% ± 3%
Ambient temperature	-40°C to +70°C
Cable terminals	2.5 mm^2
Material	PC/ABS
Colour	NCS-0502Y
Weight	90 g
Certified according to	2531/yy yy = year of production

IC10 as a Replacement Unit

Table 1. IC10 replaces the following discontinued products

Part no.	Product	Note	SW2 DIP 6-8
046100	AE-2 Address unit		
046110	AEK-2 PCB	*	
046120	AE-2-E Address unit	**	

* Casing to be discarded.

** IC10 can only be a replacement for AE-2-E without external 24 VDC.

Hint!
For type of connected device please refer to table 2. ID set by SW2 DIP 1 to 5.

DIP-Switches

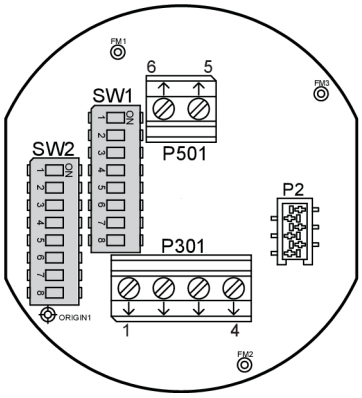


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Figure 1. Location of DIP-switches and connections on the PCB

The following functions are set by the DIP-switches. (Use a pointed tool of suitable size.)

DIP-switch SW1:

The loop address of the unit is set by DIP-switch SW1.

DIP-switch SW2:

- SW2 DIP **1-5**
  The type and function of connected devices are set by SW2 DIP 1 to 5 (using binary system). See table 2 and binary example below.
- SW2 DIP **6**
  Low or high current mode is set by SW2 DIP 6. To activate the high current mode set DIP 6 to ON. Use high current mode only when necessary.
  Example: A simple limit switch requires only pulsed measuring type and low current mode, but the HC100 heat detector for example requires steady measuring type and high current mode.

  NOTE!
  For replacements of AE-2 series by IC10 the SW2 DIP 6 must be set according to table 1.
- SW2 DIP **7-8**
  SW2 DIP **7** is not used and its normal position is OFF.

  CAUTION!
  SW2 DIP **8** must always be ON!

Binary example SW2 DIP 1-5

DIP settings using binary system to achieve decimal number 9:

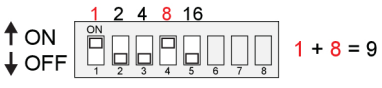

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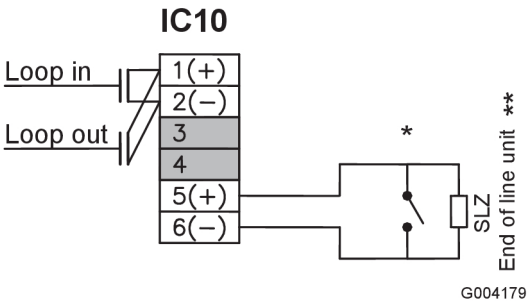
Table 2. ID set by SW2 DIP 1 to 5

Device type (ID code)	Sensor type (Function)	SW2 DIP 1-5 settings
Heat detector (127/0)	Conventional detector or dry switch 2)	
Sprinkler (126/1)	Dry switch, H_2O 2)	
Sprinkler (125/2)	Dry switch, CO_2 2)	
Smoke det Ion (124/3)	Conventional detector 1)	
Flame det IR (123/4)	Conventional detector 1)	
Gas detector (122/5)	Conventional detector 1)	
Sprinkler (121/6)	Dry switch, Foam 2)	
Sprinkler (120/7)	Dry switch 2)	
Flame det UV (119/8)	Conventional detector 1)	
Heat detector (118/9)	Conventional detector 1)	
Door indication (117/10)**	Dry switch or inductive sensor 1)	
Manual call point (116/11)	Conventional MCP 2)	
Gas sampling (115/12)	Dry switch 2)	
Alarm from external central (114/13)	Dry switch 2)	
General alarm (113/14)	E.g. dry switch 1)	
General alarm (112/15)	E.g. dry switch 2)	
Smoke det Opto (111/16)	Conventional detector 1)	
Sprinkler (107/20)	Dry switch, Halon 2)	
IS-detector ISIF (99/28)	Conventional IS detector or MCP 1)	
IS-detector ISIF (98*/29*)	Conventional IS detector or MCP 1)	

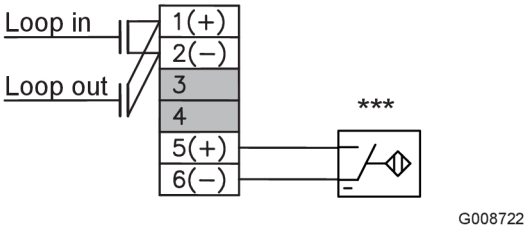
1) = Steady measuring
2) = Pulsed measuring
* = NOTE! Intrinsically safe ID 98 (DIP 29) is only supported by the CS3000 and CS3004 systems.
** = Door indication is the only ID that does not give alarm.

Connection Examples



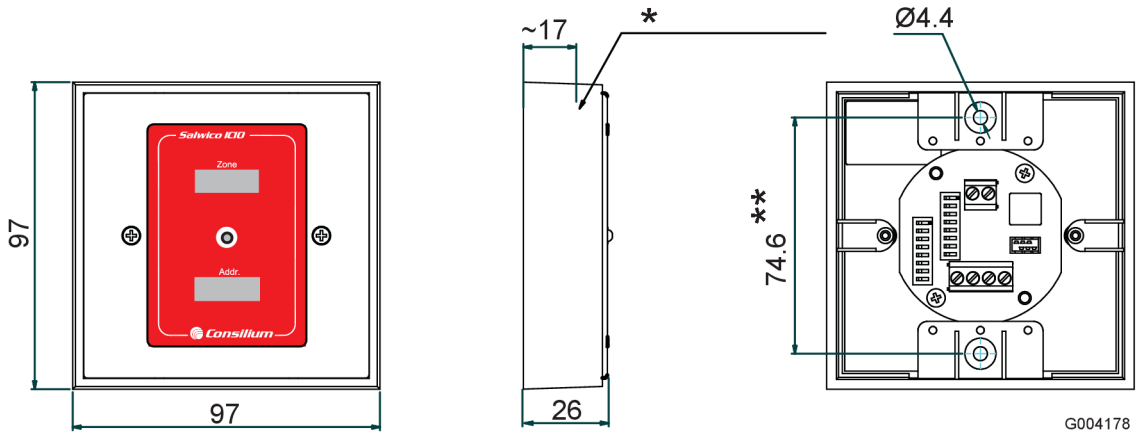
* Detector, door switch, etc.
** SLZ Part no. 046632 (not included)

IC10 (Door indication ID code 117)



*** Proximity switch 2-wire (Omron E2E-X2D1-N or similar).

Dimensions (mm)



*Seat of wall mounting screw. **Wall mounting holes