



CS1115

Fire detection control unit

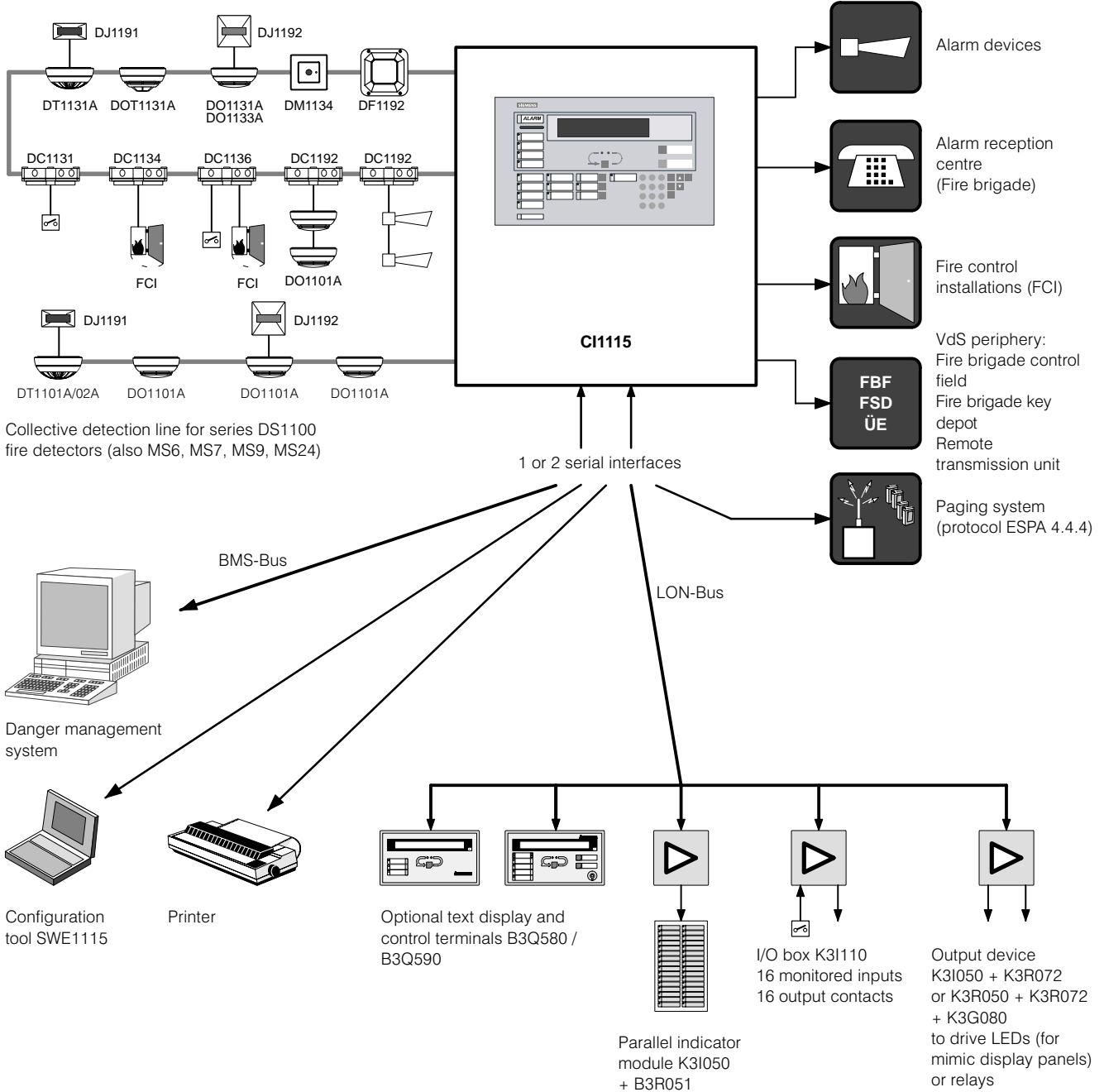
CI1115

Phase 4

- **1 loop model for**
 - up to 128 individually addressable fire detectors AnalogPLUS, series DS1130
- **2 or 4 loop models for**
 - up to 256 or 512 individually addressable fire detectors AnalogPLUS, series DS1130
 - 4 or 12 detection lines with 32 fire detectors each with collective evaluation, series DS1100 (option)
- **User functions can be programmed:**
 - either on site via operating panel
 - or offline via configuration tool SWE1115
- **Automatic or manual absent/present switchover**
- **Automatic switchover summer/winter time**
- **Up to 200 events can be stored chronologically and recalled**
- **Remote transmission of alarm and fault**
- **Input/output box on LON-Bus**
- **Emergency power operating period up to 72 hours, depending on used batteries**
- **Add-on power supply**
- **One or two serial interfaces parameterizable for:**
 - printer and/or paging system
 - LON-Bus for ancillary display and control panels
 - Third party building management systems

System overview

Addressable detector bus (stub line or loop)
for AnalogPLUS series DS1130 fire detectors



Fire detection control unit CI1115

The control unit registers signals from automatic fire detectors, manual call points and input modules via the detector bus or detection line and carries out decentralized control functions via control lines, control outputs and output modules.

The control unit displays the collected data, carries out pre-defined control and signaling functions and reacts to the commands entered by the operator.

AnalogPLUS fire detectors, series DS1130

Addressable detector system with intelligent signal evaluation.

A high degree of operational reliability is achieved by signal processing in the detector and in the control unit:

- Detection and evaluation in the detector
- Verification and processing of the detector output signals in the control unit, based on the given user function

„AnalogPLUS“ features:

- Detector operation is monitored
- The detectors transmit two danger levels
- The detectors transmit any deviation from the quiescent value (drift)
- Detector addresses:
 - up to 128 per loop
 - up to 32 per stub line
- Address allocation possible in installation sequence
- Free allocation of logic addresses (zones)
- Multi-detector logic
- Two-wire installation
- Up to 150Ω line resistance (more than 1000m length of line)
- Built-in line disconnection switches isolate the part of the detection line with short circuit

Collective fire detectors, series DS1100

Traditional technology for communication and signal evaluation (a common address for all detectors of a detection line). The detectors have the same high quality sensor system as the DS1130 detectors.

„Collective“ features:

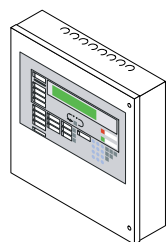
- Up to 32 detectors per line
- Two-wire installation
- Up to 250Ω line resistance (more than 1000m length of line)

Interfaces

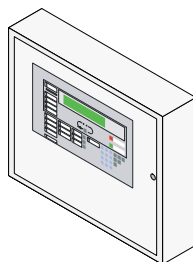
The fire detection system control unit has one or two RS232 interfaces for the connection of one of each of the following systems/devices:

- LON-Bus for parallel indicators and/or synoptic panels
- Third party systems, e.g. danger management system, building management system
- Pager
- Logging printer, configuration tool

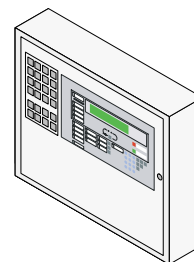
Models



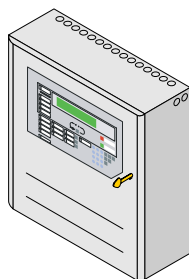
CI1115-1A



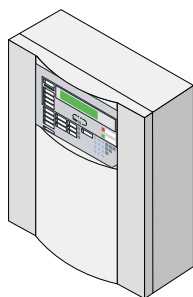
CI1115-1
CI1115-2



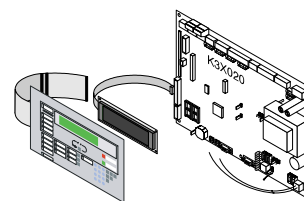
CI1115-3
CI1115-4
CI1115-NL



CI1115-SK1



CI1115-SK2

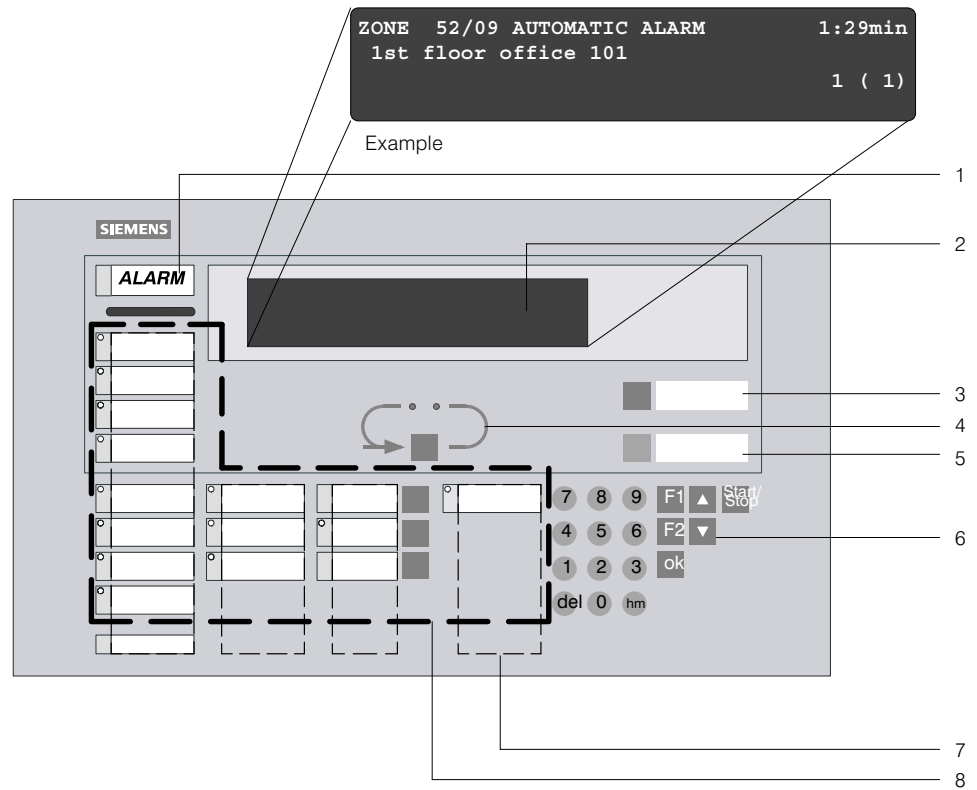


CI1115-3-STT

Features

	CI1115-1A	CI1115-1, CI1115-2, CI1115-3, CI1115-4, CI1115-SK1, CI1115-SK2, CI1115-NL
Detector loops	1	2 + 2
Addressable AnalogPLUS detectors and input modules	max. 128	max. 512
Addressable AnalogPLUS output modules	max. 64	max. 64
Collective detector lines	-	4 / 12 (optional)
Programmable outputs on LON-bus	max. 256	max. 256
Programmable inputs on LON-bus	max. 16	max. 16
Programmable outputs internal	8 (+ 12)	8 (+ 12 + 8 optional)
Programmable inputs internal	4	4
Inputs for 4 spare LEDs	yes	yes
Monitored control lines for sounders	2 (+ 2)	2 (+ 2 + 2 optional)
Monitored control lines for remote transmission	-	2
Dry contacts	2 (+8 optional)	2 (+ 8 optional)
Serial ports	1 x RS232	2 x RS232
Remote indicator / control panels on LON-bus	max. 3 (max. 16 with external power supply)	max. 16
Remote output devices on LON-bus	max. 3 (max. 16 with external power supply)	max. 16

- Simple, logical, menu-guided operation
- Illuminated text display with 4x40 characters
- Simultaneous display of two events
- Specific customer text per room, zone or detector
- Operating access by means of password or by key switch (option)
- Four different user operating levels



- 1 „ALARM” display field with LED bar
- 2 Illuminated text display field with 4x40 characters, with standard and customer text
- 3 „Acknowledge message” key
- 4 Scroll key for alarm messages
- 5 „Reset message” key
- 6 Function key block for menu-orientated operation and password entry (enabling operation)
- 7 Slide-in inscription strips in various languages
- 8 Indicator fields, partly with operating keys

Technical data

Power supply main board	
- mains operating voltage	nom. 115/230V _{AC} , ±15% (V _{dS} : +10%), 50/60Hz
- power consumption	max. 100VA (CI1115-1A: max. 50VA)
- system supply voltage	21.5 ... 29.5V _{DC} (temperature compensated)
- max. current	2.5A (CI1115-1A: 1.5A)
Optional power supply	(CI1115-1A excluded)
- mains operating voltage	nom. 115/230V _{AC} , ±14% / -20%, 50/60Hz
- power consumption	max. 120VA
- system supply voltage	29.6V _{DC} ±2%
- max. current	3.5A
Emergency power battery	2 x 12V / max. 17Ah / 2 x 12Ah (CI1115-1A: max. 12Ah)
Duration of emergency operation	max. 72h, depending on configuration and used batteries
Total current available for all control and contact outputs	1.5A (CI1115-1A: 0.5A)
Ratings	
- outputs for alarm devices	
- monitored control lines	max. 24V _{DC} /0.5A
- remote transmission outputs	
- monitored control lines	max. 24V _{DC} /0.5A
- contacts	max. 30V _{DC} /1A
- alarm contacts	max. 30V _{DC} /1A
- programmable driver outputs	max. 24V _{DC} /48mA
- programmable contact outputs	max. 30V _{DC} /1A
Temperature range	
- operation	0 ... +50°C (V _{dS} : 0 ... +40°C)
- storage	-20 ... +60°C
Humidity	max. 95%, no condensation class IEC721-3-3: 3K5
Cabinet	
- EN60529 / IEC529 protection category	IP40
- material	steel sheet St12 03m
- colour of cabinet	RAL7035 light grey
- colour of control panel	Pantone 421C grey, 424C dark grey
Dimensions	
- CI1115-1A	W = 400mm, H = 400mm, D = 170mm
- CI1115-1/-2/-3/-4/-NL	W = 580mm, H = 480mm, D = 120mm
- CI1115-SK1	W = 510mm, H = 540mm, D = 200mm
- CI1115-SK2	W = 510mm, H = 540mm, D = 214mm
Weight	(without battery and optional modules)
- CI1115-1A	approx. 7.5kg
- CI1115-1/-2/-3/-4/-NL	approx. 11.5kg
- CI1115-SK1/-SK2	approx. 20.5kg
Standard	EN54 / CE EN60950 power system „IT” and „TT”
Approval	VdS no. G297022

