



ISDN fault reporting device

IT35I

IT35I-VdS

IT35I-OPC



Operation manual

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SAFETY INDICATION

Hardware and software of the IT35I are not fault-tolerant and have not been developed or made to be used or retailed as online control system in hazardous environments where error-free operation is mandatory, eg use in nuclear facilities, flight control, communication systems, air traffic control, direct life support equipment or weapon systems, for which a malfunction may cause directly death, physical injury or severe bodily harm ("High Risk Activities").

eviateg GmbH explicitly dismisses any specific or indirect warranty for the suitability for High Risk Activities.

The transmission of alerts and fault reports is carried out by the particular network provider and cannot be guaranteed in case of technical modifications in the transport network. For this reason cyclic routine messages should be programmed.

eviateg GmbH assumes no liability for technical inaccuracies and reserves the right to make modifications for the purpose of technical progress.

Modifications, errors and omissions excepted.



Designated use

- The IT35I is intended for an operation with Safety Extra Low Voltage (SELV) according to EN 60950 / VDE 0805.
- Other equipment connected to the IT35I must meet the conditions of EN 60950 (Safety of Information technology equipment).
- The IT35I is a ISDN fault reporting device which can be used as switchgear and controlgear too. An operation is only allowed with an appropriate installation.
- The IT35I is only provided for professional use and stationary installation in electric control cabinets.
- The installation has to comply with the electrotechnical rules.
- During switching on the IT35I all risks by controlled equipment, eg unexpected start up of motors or unforeseen switching of voltages, must be prohibited.

Misuse

The IT35I must not be used as a security relevant control requiring error-free operation, eg. use in nuclear facilities, flight control, communication systems, air traffic control, direct life support equipment or weapon systems, for which a malfunction may cause directly death, physical injury or severe bodily harm.

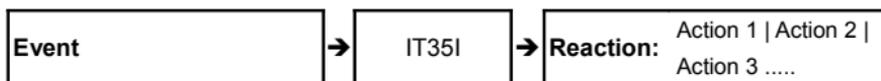
Unauthorised modifications, disassembling or changes to the product are disallowed.

For any consequence of misusing the IT35I the eviateg GmbH disclaims liability and all warranty claims expire.

Functional principle

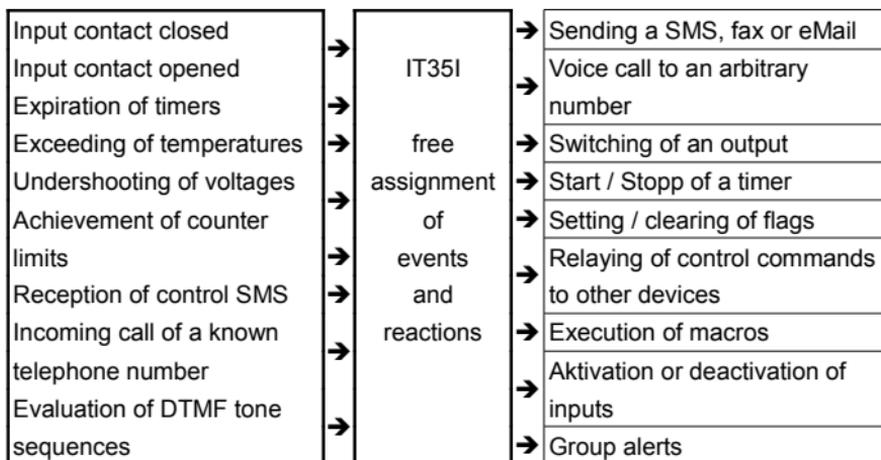
The IT35I works according to the principle of event and reaction:

- The device detects a multitude of events.
- To each event there is a reaction assigned which is executed each time the event occurs.
- The reaction is composed of single actions put into execution consecutively.
- In the delivery status all reactions are empty and the IT35I does not react to any event.
- Programming of the reactions can be done with the software „QuickSetup“ included in delivery.
- To utilise all features of the device the the configuration software „CONNY“ is also included in delivery.

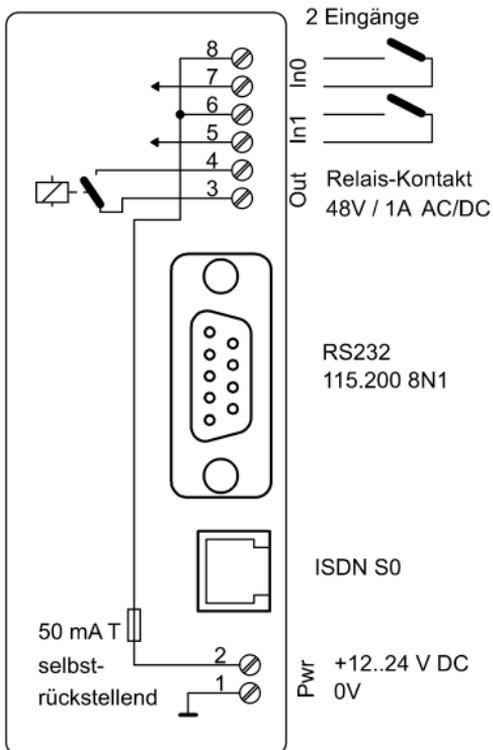


Examples for events:

Example for actions:



Block diagram



Picture 4: Block diagram of the IT351

Terminal connections

Terminal	Marking	Description
1	Pwr	0V Reference potential / signal common
2	Pwr	Power supply +12 to +24 V DC / 60 mA
3, 4	Out	Relais output (rating see „Technical Data“)
5, 6	In0	Optocoupler input 0, no potential separation
7, 8	In1	Optocoupler input 1, no potential separation

Technical specifications

Dimensions	94 mm (L) * 35 mm (W) * 76 mm (H)
Weight	130 g
Operating voltage	12 bis 24 V DC
Current consumption	max. 80 mA
Service temperature	-20 °C to +55 °C
Humidity	0 to 70%, non-condensing
Degree of protection	IP20
ISDN modem	eviateg TA basic
Terminals	8 screw-type terminals 1.5 mm ² / pluggable
Inputs	2 switching inputs, max. input voltage 24 V DC
Output	Relais output 48 V Max switching power: 60 W Max switching current: 2 A 30 V DC / 1 A 48 V DC Max switching voltage: 48 V AC/DC
Serial interface	RS232 (115.200 bps / 8N1)
Alarm events (selection of supported events)	<ul style="list-style-type: none"> • switching operation on inputs • expiry of internal timers or counts • incoming calls from known calling parties • evaluation of self-defined DTMF tone sequences • evaluation of password protected control SMS • loss of main power supply
Fax and eMail	transmission of fax and eMail per SMS (depending on the network and service provider)
Number pool	up to 256 numbers, groupable in up to 32 alert groups
Message text pool	10 text blocks per 512 bytes, macro capable
Programming/update	via RS232 and ISDN
VdS 2465 protocol (only IT35I-VdS)	Version 03/1999, up to 10 VdS centrals, free programming of addresses / address extensions / priorities, free assignment of inputs to centrals

Konformitätserklärung

gemäß der EMV-Richtlinie 2014/30/EU (elektromagnetische
Verträglichkeit) vom 26. Februar 2014

Hiermit erklären wir, dass das Gerät

IT35I ISDN-Störmeldegerät

in seiner Konzeption und Bauart sowie in der von uns in Verkehr
gebrachten Ausführung den grundlegenden Sicherheits- und
Gesundheitsanforderungen der EMV-Richtlinie 2014/30/EU entspricht.
Bei einer mit uns nicht abgestimmten Änderung des Gerätes verliert
diese Erklärung ihre Gültigkeit.

Zur Beurteilung herangezogene Normen:

- DIN EN 60950: 2011
Elektrische Sicherheit informationstechnische Einrichtungen (ITE-Geräte)
- DIN EN 55 022: 2011
Störaussendung informationstechnische Einrichtungen (ITE-Geräte)
- DIN EN 55 024: 2011
Störfestigkeit informationstechnische Einrichtungen (ITE-Geräte)
- DIN EN 61000-3-2: 2010
Störfestigkeit gegen statische Entladungen (ESD)
- DIN EN 61000-3-3: 2009
Störfestigkeit gegen elektromagnetische Felder

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Norderstedt, den 05.01.2015



Thomas Plagens, Geschäftsführer

Disposal instruction

The IT35I may neither be delivered at the collection points for the recycling of electrical or electronic equipment nor may it be disposed at a container which is collected from an electronic vendor for recycling purposes.

The device can be returned to the vendor or can be disposed by the user on his own cost in an environmentally compatible manner.

Norderstedt, 2015-01-05

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