

MANUAL

WI LINE | PROTECTION TECHNOLOGY
MADE SIMPLE

WIC1-TU | MONITORING UNIT FOR WIC1 RELAYS



MONITORING UNIT FOR WIC1 RELAYS

Version: D01-1.00

Original document

English

Manual (original)

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1 Introduction

The WIC1 protection relay is used to cyclically check internal functions. In the event of a failure in the central processing unit or in the EEPROM, a watchdog unit will be activated. For detailed information, please refer to WIC1 User Manual.

By means of an appropriate communication interface, the watchdog unit WIC1-TU facilitates handling and supervision of the WIC1 protection relay.

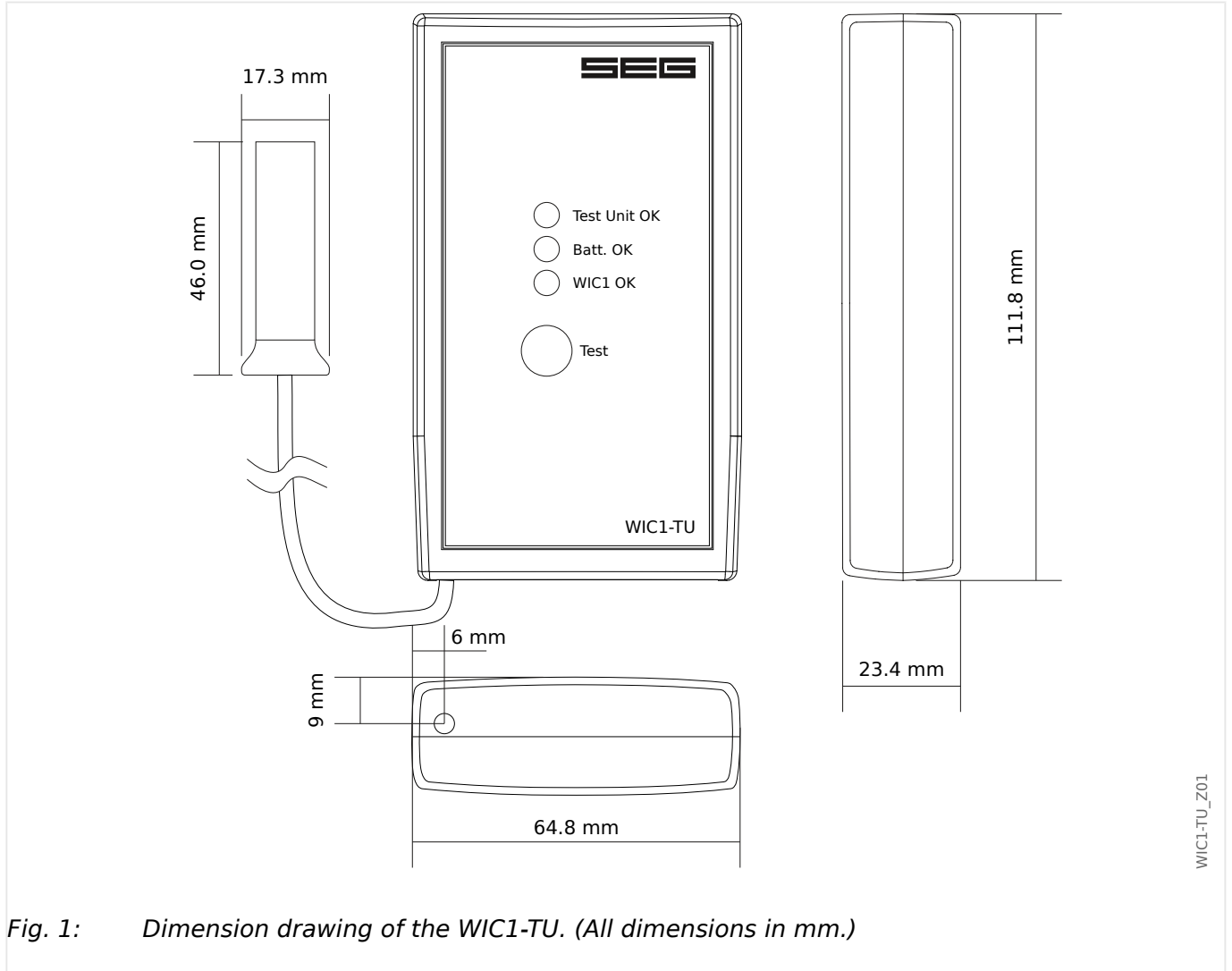


Fig. 1: Dimension drawing of the WIC1-TU. (All dimensions in mm.)

2 Working Principle of the WIC1-TU

Scope of Testing

The WIC1-TU Watchdog Unit provides the following functions:

- Check of the internal functions and the test instrument's checksum.
- Check of the battery voltage of the test device.
- Check of the communication facilities to the WIC1.

Operation

The test is started by pressing on the push-button for "Test" which has to be held pressed during testing. The test procedure is stopped as soon as the push-button is released.

Test cycle

The test procedure takes about 5 s and its progress is indicated by LEDs that are either lit or flashing as indicated below.

LED Indication

The test procedure takes about 5 s and its progress is indicated by LEDs that are either lit or flashing as indicated below.

LED1	"Test Unit OK"	<ul style="list-style-type: none"> • red light: The WIC1-TU Watchdog Unit is damaged. • green light: The WIC1-TU Watchdog Unit is OK.
LED2	"Batt. OK"	<ul style="list-style-type: none"> • red light: The battery is almost empty. • green light: The battery is OK.
LED3	"WIC1 OK"	<ul style="list-style-type: none"> • red light: The WIC1 is damaged, the watchdog has operated. • green light: The WIC1 is OK.

3 Technical Data

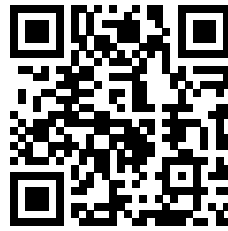
This User Manual is valid as of software version number D01-1.00.

Power Consumption:	0.8 W with pushed button
Dimensions of the Housing:	H × W × D: 112 × 24 × 65 mm
Connection Cable Length:	1.30 m
Battery:	9 V spare battery Alkaline
Designation:	IEC-6LR61; ANSI-1604A
Power Output:	> 500 mAh
Bearing Temperature:	−10°C ... 55°C
Storage Temperature:	−10°C ... 55°C
Protection Class:	IP 20

4 Order Form

Monitoring unit for WIC1 relays		
WIC1-		TU

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