

RADIO RIPPLE CONTROL RECEIVER

Landis+Gyr Radio

FTY263

TECHNICAL DATA



Electrical Data

Nominal Voltage U_n	230 V (+/-10%)
Nominal Frequency f_n	50Hz (+/-2%)
Power consumption (typically)	1.2 W / 1.6 VA

Output Relays

Number	up to 6 plug-in power relays
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Contact Rating (Change Over)

$\cos\varphi = 1$	250 V / 25 A
$\cos\varphi = 0,4$	250 V / 15 A

Contact Rating (Make)

$\cos\varphi = 1$	250 V / 40 A
$\cos\varphi = 0,3$	250 V / 25 A

Total Current I_{tot}	75 A
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Radio Ripple Control Systems

Protocol	Semagyr-Top acc. to E-DIN 43861-402
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Reception Frequency	129.1 kHz, 139 kHz or 135.6 kHz
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Reception Level H_e	from 55 dB μ V/m
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Receiver Functionality

- Remote programmable time lines allow autonomous switching
- Special days and public holidays programmed
- Real time calendar clock (can also be employed as a radio time switch)
- Unique unit coding
- Interpreter programs allowing any allocation of commands and addresses to relays and conditional routines
- Up to 16 programs can run in parallel. Four of which can be with timing functions. (Delays, Wiper, Loop, etc.)
- Internal lighting-up time table for street lighting
- Relay status confirmation selectable for any interval
- Behaviour during power outage and after power return can be programmed
- Transmitter outage recognition
- Programmable test functions
- Reception quality overview can be read out
- Light emitting diode to signal the operational status
- Optional clock module for operating without radio reception.

Environment

Temperature

Operating	-20 to +60°C
Storage	-30 to +70°C

Humidity according to DIN 40040	F
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Protection from dust and water

Standard installation	IP 52 without UP
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Surge Withstand

Test voltages 4 kV 50 Hz; 1min.

Surge Voltage Strength 6 kV; 1.2/50 μ s

Insulation 4 kV

Over Voltage Category 3

Protection II Class according to IEC 62052-11 

Standards

EMC Emission EN 50081-1

EMC Immunity EN 50082-2

Safety Regulations EN 61010

Standard for electronic ripple control receivers for tariff and load control IEC 62054-11

Connections

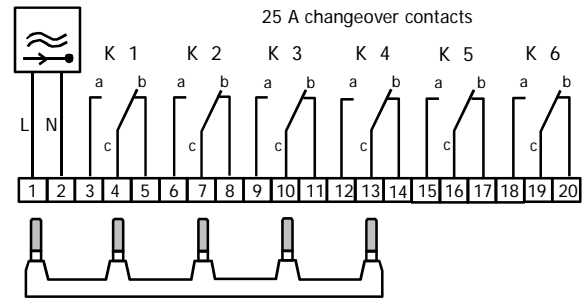
Phase conductor cross section 0.5 mm²... 10 mm²

Relay conductor cross section

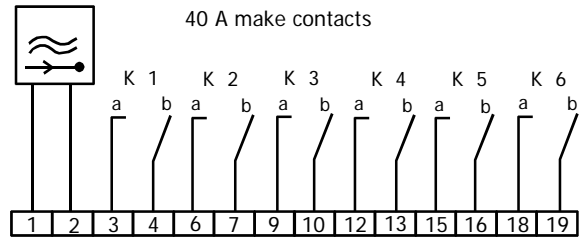
Change-over contacts 0.5 mm²... 6 mm²

Make contacts 0.5 mm²... 10 mm²

Wiring Diagram



Phase link for connection of L with relay levers for K1-K4. Possibility to shorten for 1, 2 or 3 relays. The bare metal cut will be insulated by protection cap.

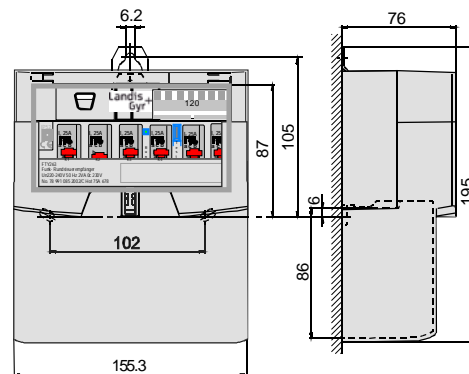


Weight and Dimensions

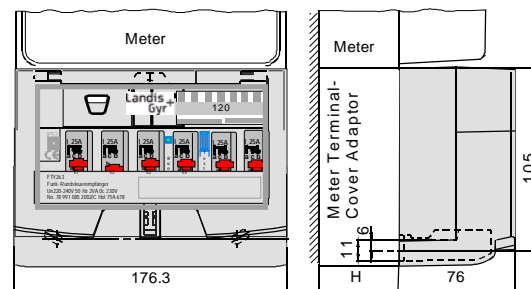
Weight fully equipped 0.9 kg

Dimensions drawings

Meter Panel Mounting

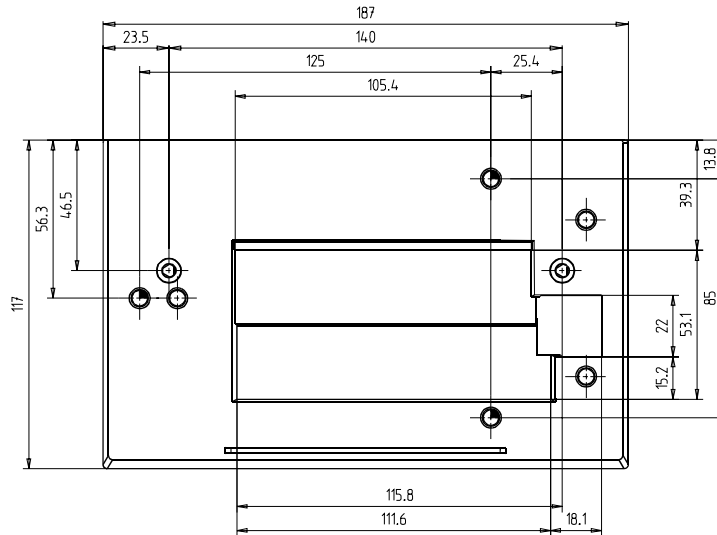


Mounting on a Terminal Cover Adaptor

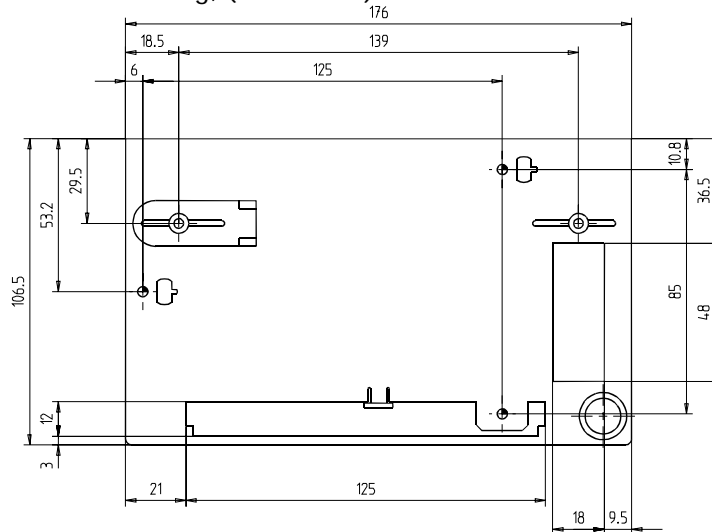


Dimension Drawing for the Adapter for Mounting on a Terminal Cover

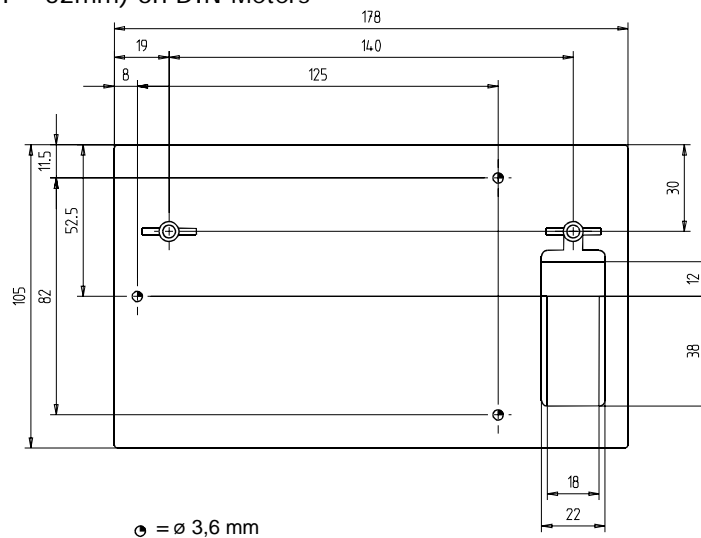
Adapter 4 111 2361 0 for Mounting on ZMB, ZMD...CT and ZMD...AT Meters, (H = 74mm)



Adapter 74 111 0019 0 for Screw-less Mounting, (H = 56mm) on DIN-Meters



Adapter 74 111 0025 0 (H = 52mm) on DIN-Meters



Programming

- Programming software RPT01 for PC operating under Windows 95, 98, NT, XP and 2000.
- Free and flexible programming of the receiver behaviour using interpreter programs. Up to 24 Flags can form additional conditions or priorities. Eight flags are non-volatile and remain stored during a power outage, a further 8 flags are remote programmable TOP-Flags.
- Programming and parameter entry via an infrared interface according to IEC 62056-21 with adapter FDC1.3 (optical) or adapter RCA104 (without mains connection) for parameter entry from a Laptop and simulation of the radio messages.
- Service software for Pocket PC. Parameter files can be transferred to all Landis+Gyr receivers via the infrared interface.



Subject to technical changes

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