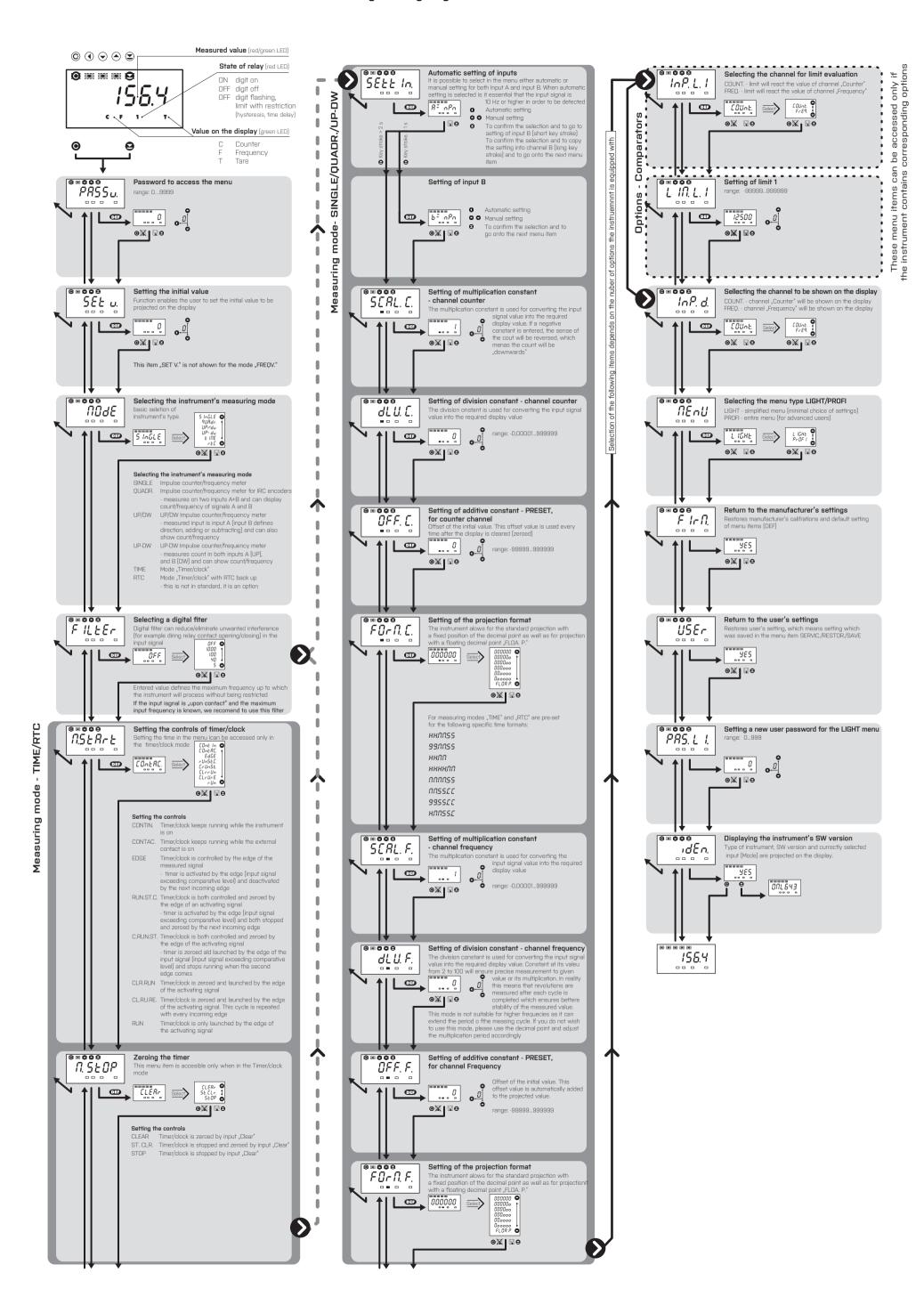
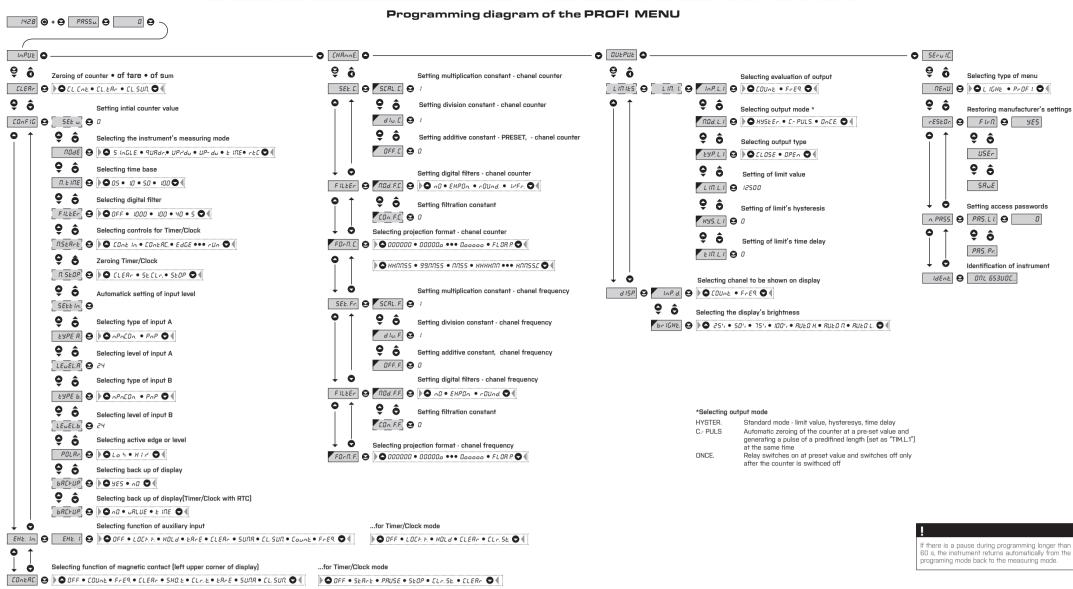
Programming diagram of the LIGHT MENU



PROFI SETTING



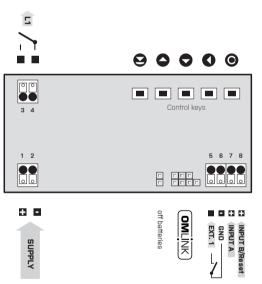
OML 643UQC



CONNECTING AND CONTROLING **OF INSTRUMENT**



TECHNICAL DATA



CONNECTIONS	
	DESCRIPTION

BY MAGNET

INPUT A	input signal < 60 V	GND + Input A
INPUT B	input signal < 60 V	GND + Input B/Zeroing
EXTERNAL INPUT		
	DESCRIPTION	CONTROLS
EXT. 1	controlling input, its function is set in the menu (see. Menu > EXT. IN.)	upon contact, terminal (no. 5 + 6)
CONTROLLING		
	POPIS	

In the left upper corner the instrument can be controlled according to function selected in item "CONTAC."

Power supply cord should not be near low voltage input signal leads.

Contactors, large electrical motors and other power elements should not be operated in the vicinity of the instrument.

Input signal leads (measured value) should be separated from all power devices. If this is not possible to provide, the input leads have to be shielded and the shielding grounded (terminal E).

Our instruments are extensively tested and they comply with relevant standrads for use in industrial environment, however, adhering to the above mentioned measures is stronlgy advised.

In executions without galvanic isolated power supply please beware of ground loops!

Terminals no. 2 and 6 are galvanic

MEASURING INPUT

Туре	upon contact, TTL, NPN/PNP
Measurement	1x counter/frequency UP or DOWN 1x counter/frequency UP/DOWN 1x counter/frequency for IRC encoders
	1x timer/clock
	- measuring range is selectable
Input frequency	0.1. 50 kHz (Mode SINGLE) 0.120 kHz (Mode UP/DW) 0.120 kHz (Mode UP/DW) 0.120 kHz (Mode UP,DW) 0.120 kHz (Mode QUADIR frequency) 0.110 kHz (Mode QUADIR counter)
Input levels	9,7 - 14,4 - 19,2 - 23,9 - 28,7 - 33,5 - 38,3 V

TK	50 ppm/°C
Accuracy	±0,01% of the range + 1 digit (frequency)
Time base	0,5/1/5/10 s
Multiplication constant	±0,00001999999
Division constant	±0,00001999999
Filtration constant	enables the user to select maximum valid frequency, which is processed (OFF/51000 Hz)
Data back-up	stores the measured value after the device has been switched off (EEPROM)
Digital filtres	exponencialn filter, rounding up/down, 1/frequncy, measuring only completed revolutions (division constant)
Functions	Hold - "freezing the measured value", Lock - blocking the control buttons, Tare, Summation - adding values after each working shift is completed (upon contact)
Controlling the instrument	by sliding a magnet (accross the right lower corner of the bezel) this function can be selected in the PROFI menu, item "CONTAC" with the following selection: OFF/counter/frequency/zeroing/show tare/zero tare/tare/summation/zeroing of summation. When in mode Timer/Clock the list lis: OFF/start/pause/stop/zeroing+start/zeroing.
External inputs	1, with the possibility of assigning various functions in the instrument's menu
RTC	keeps the internal clock running when the instrument's power supply is off. Battery powered (it is possible to switch off- jumper inside the instrument), min. life 1 year
Battery	Lithium cell CR 2032RV, 3V/220 mAh
OM Link	Company communication interface for operating, setting and updating of instruments
Watch-dog	reset after 500 ms
Calibration	at 25°C and 40 % r.v.

PROJECTION

COMPARATOR	
	automatically at three steps Auto. H, Auto. M and Auto. L
Brightness	0%, 25%, 50%, 75%, 100% (selectable in the menu) or
Decimal point	setting - in menu
Projection	999999
Display	999999, red or green 7-segment LED, digit height 14 mm

Mode	nysteresis, drice, raise
Limit	999999
Hysteresis	0999999
Delay	099,9 s
Output	1x relay with a switch on contact (Form A), (250 VAC/30 VDC, 3 A)* 1x open collector, (30 VDC/100 mA)*
Relay	1/8 HP 277 VAC, 1/10 HP 125 V, Pilot Duty D300

	various given and national
OWER SUPPLY	
	1030 VDC/24 VAC, ±10 %, 3 VA 1030 VDC/24 VAC, ±10 %, 3 VA isolated

MECHANICAL PROPERTIES

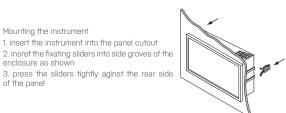
Material	Noryl GFN2 SE1, incombustible UL 94 V-I
Dimensions	96 x 48 x 30 mm
Panel cut out	92 x 44mm
ENVIROMENTAL	
Connection	terminal board, section < 15 mm ²

CONTRECTION	reminal board, section < 1,0 min
Stabilization period	15 minutes after switch on
Working temperature	-20°60°C
Storage temperature	-20°85°C
Cover	IP65 (front panel only), rear of the instrument is open!
Provedení	security calss I
El. safety	EN 61010-1, A2
Dielectric strength	2,5 kVAC after 1 min between supply and input 4 kVAC after 1 min between supply and relay output
Insulation resistance*	for pollution degree II, measuring cat. III.
	power supply > 300 V (PI)
	input, output > 300 V (DI)
EMC	EN 61326-1 (Industrial area)

MOUNTING AND DIMENSIONS



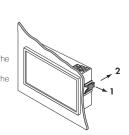
1. insert the instrument into the panel cutout enclosure as shown



Removal of the instrument

1. pry the rear end of the sliders away from the instrument's enclosure 2. slide the fixating sliders out of side groves of the

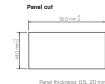
enclosure as shown 3. remove the instrument from the panel cutout



CONNECTION

















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