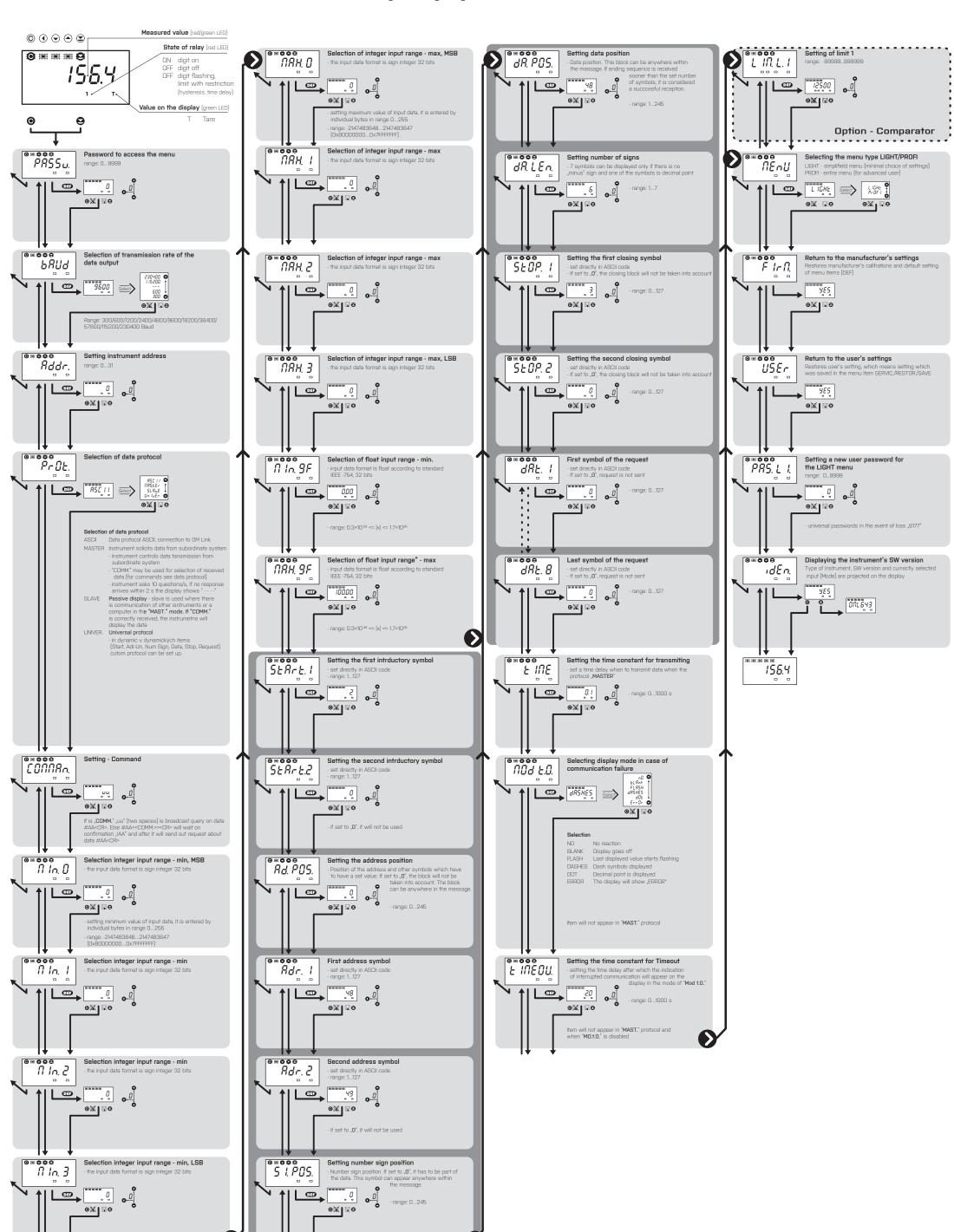
Programming diagram of the LIGHT MENU



Selecting type of menu

NEAU ❷ ▶ ❷ LIGHE • PAOF I ❷ 《

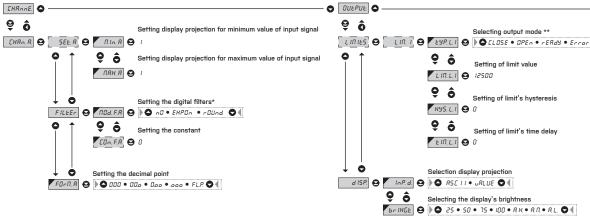
SEru 15

♀ ô



Programming diagram of the PROFI MENU





*Setting the digital filters

OFF filters are off exponential filter FXPON

displayed

quantity range

data in EEPROM corrupted

memory was empty

(presetting carried out) disconnected input circuit

data in EEPROM outside the range

setting of the calibration constant

ERROR STATEMENTS

E.d._

E.d.⁻

E. 1._

E. 1.

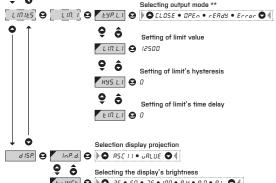
E.Hu.

E.EE.

E.5 E.

E.CL.

E. 10.



*Selecting output mode

change DP setting, channel constant

change DP setting, channel constant

send the instrument for repair

repair, possible failure in calibration

check wiring

change input signal value or input (range) setting

change input signal value or input (range) setting

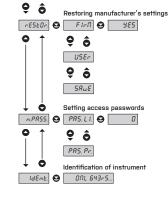
perform restoration of manufacture setting, upor

repeated error statement send instrument for repair perform restoration of manufacture setting, upon

repeated error statement send instrument for repair

upon repeated error statement send instrument for

CLOSE closing relay (normally open) OPEN READY ERROR opening relay (normally closed) all OK error indication



Upon delay exceeding 60 s the programming mis automatically discontinued and the instruntiself restores the measuring mode

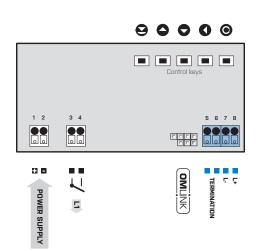
CONNECTING AND CONTROLING

OF INSTRUMENT

£ INEOU. ⊖ 2



TECHNICAL DATA



EXTERNAL INPUT

DESCRIPTION

TERMINATION	Termination of commuication line RS 485	upon contact, terminal (No. 5 + 6)

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

number is too small (large negative) to be

Input quantity is smaller than permitted input

a part of the instrument does not work properly

quantity range
Input quantity is larger than permitted input

number is too large to be displayed

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. 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.

INPUT

Туре	RS 485
Protocol	ASCII, MODBUS-RTU, Master, Slave, Universal
Data format	8 bit + no parity + 1 stop bit
Rate	300230 400 Baud
RS 485	isolated, two-way communication,

INSTRUMENT'S ACCURACY

TC	50 ppm/°C	
Data back-up	stores the measured value after the device has beer switched off (EEPROM)	
Digital filtres	exponencialn filter, rounding	
External inputs	1, termination of commulcation line RS 485 Company communication interface for operating, setting and updating of instruments	
OM Link		
Watch-dog	reset after 500 ms	
Calibration	at 25°C and 40% r.h.	

PROJECTION

Display	999999, red or green 7-segment LED, digit height 14 mm	
Projection	-99999999999	
Decimal point	setting - in menu	
Brightness	0 %, 25 %, 50 %, 75 %, 100 % (selectable in the menu) or	
	automatically at three steps Auto. H, Auto. M and Auto. L	

COMPARATOR

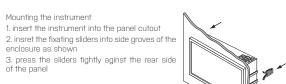
Туре	digital, menu selectable
Mode	Hysteresis
Limit	-99999999999
Hysteresis	0999999
Delay	099,9 s
Output	1x relay with a switch on contact (Form A), (250 VAC/30 VDC, 3 A)* 1x open collector, (30 VDC/100 mA)*
Relay	1/8 HP 277 VAC. 1/10 HP 125 V. Pilot Duty D300

POWER SUPPLY

MECHANICAL PROPERTIES		
Ī	Material	Noryl GFN2 SE1, incombustible UL 94 V-I
ı	Dimensions	96 x 48 x 30 mm
ı	Panel cut out	92 x 44mm

Connection	terminal board, section < 1,5 mm²
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!
Construction	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)
FMC	FN 61326-1 (Industrial area)

MOUNTING AND DIMENSIONS



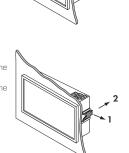


Removal of the instrument

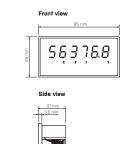
1. pry the rear end of the sliders away from the instrument's enclosure

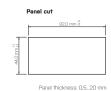
2. slide the fixating sliders out of side groves of the enclosure as shown

3, remove the instrument from the panel cutout



CONTROLS

















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