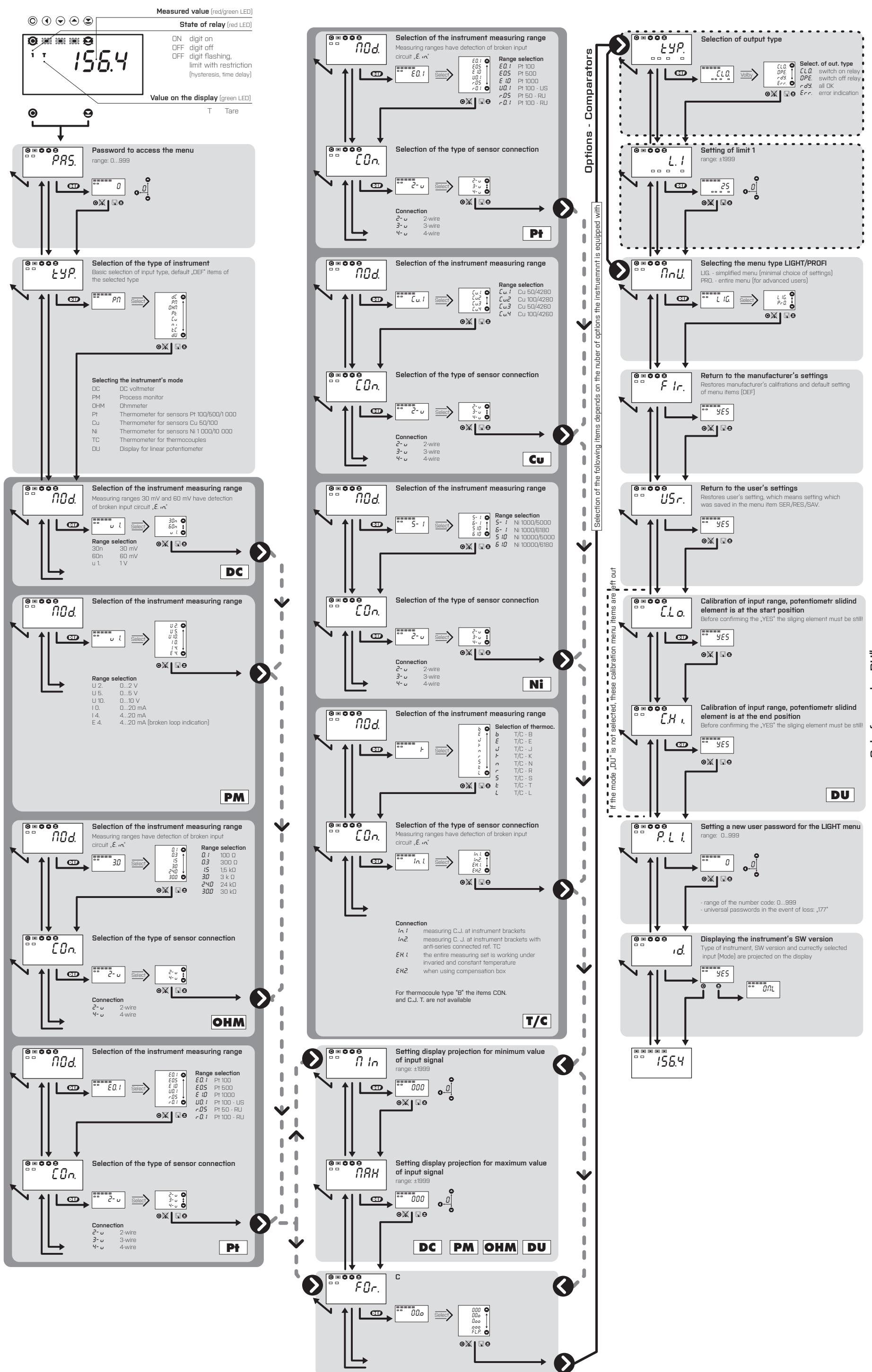
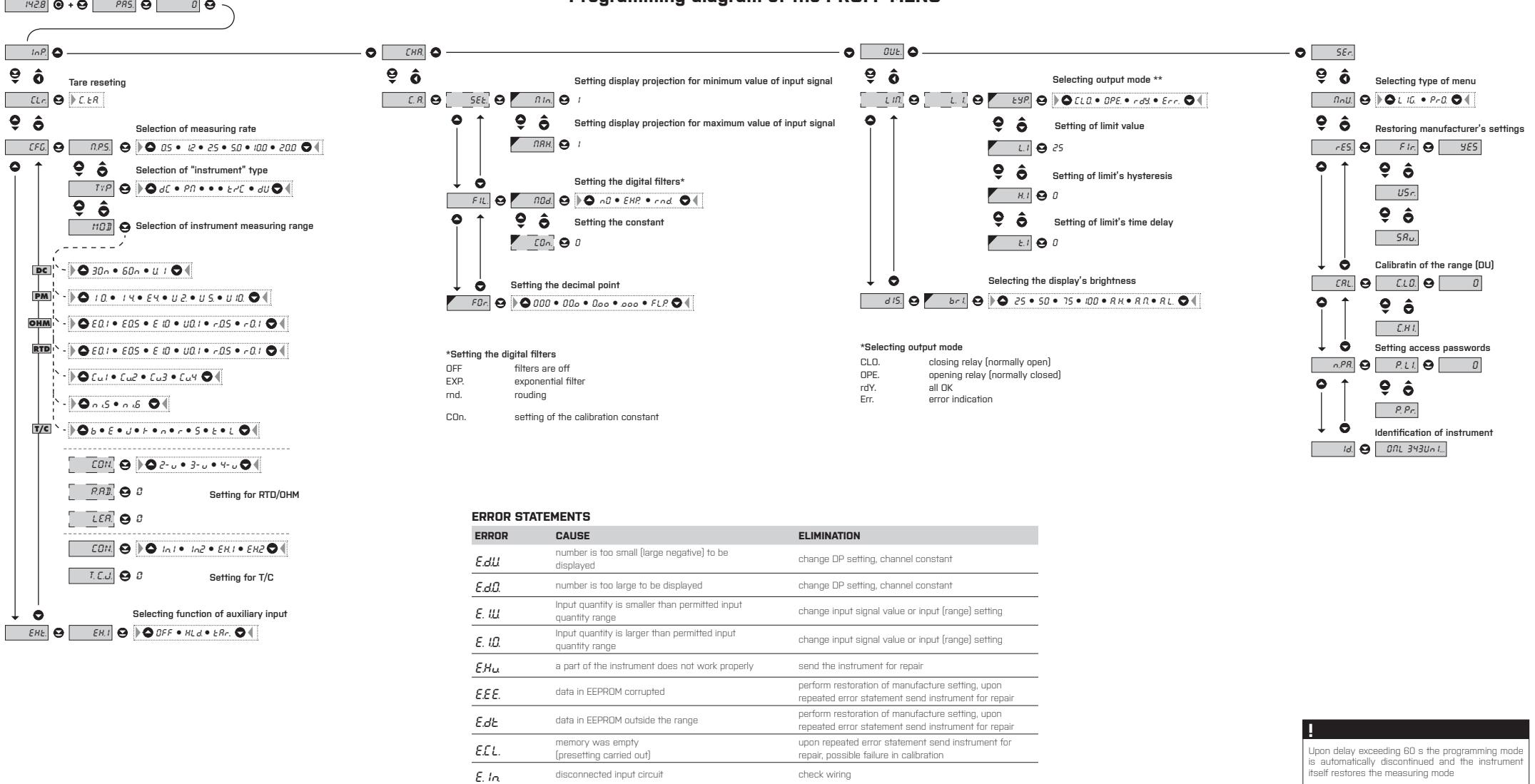


Programming diagram of the LIGHT MENU

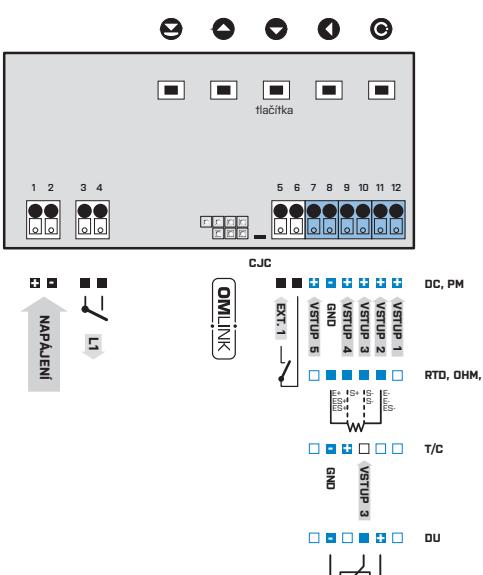


Programming diagram of the PROFI MENU



CONNECTING AND CONTROLLING OF INSTRUMENT

TECHNICAL DATA



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

Contractors, 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 standards for use in industrial environment; however, adhering to the above mentioned measures is strongly advised.

MEASURING INPUT

DC	Range	±20 mV ±60 mV ±1 000 mV	> 10 MO > 10 MO 125 MO	Input 4 Input 3 Input 1	
PM	Range	0/4...20 mA 0...2 V 0...5 V 0...10 V	< 200 mV > 10 MO 125 MO 125 MO	Input 5 Input 4 Input 1 Input 1	
OHM	Range	0...300 Ω 0...1,5 kΩ 0...3 kΩ 0...30 kΩ	125 MO		
	Connection	2, 3- or 4-wire			
RTD	Type	EU > 100/500/1 000 Ω, with 3 850 ppm US > 100 Ω, with 3 920 ppm/°C RU > 50/100 Ω with 3 910 ppm/°C -200...1 100/450°C	-50...450°C -50...450°C -200...1 100/450°C		
	Connection	2, 3- or 4-wire			
Ni	Type	Ni 1000/Ni 10 000 with 5 000 ppm/°C Ni 1000/Ni 10 000 with 6 180 ppm/°C	-200...250°C -200...250°C		
	Connection	2, 3- or 4-wire			
Cu	Type	Cu 50/Cu 100 with 4 260 ppm/°C Cu 50/Cu 100 with 4 280 ppm/°C	-50...200°C -200...200°C		
	Connection	2, 3- or 4-wire			
T/C	Type	J [Fe-CuNi] K [NiCr-Ni] T [Cu-CuNi] E [NiCr-CuNi] B [PtRh30-PRh6] S [PtRh10-Pt] R [Pt12Rh-Pr] N [OmegaGalloy] L [Fe-CuNi]	-200...900°C -200...1 300°C -200...400°C -200...690°C 300...1 820°C -50...1 760°C -50...1 740°C -200...1 300°C -200...900°C		
DU	Lin. pot.supply	25 VDC/6 mA, min. potentiometer resistance is 500 Ω			

MEASURING RANGES - CONNECTION

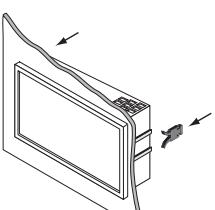
TYPE	INPUT 1	INPUT 2	INPUT 3	INPUT 4	INPUT 5
DC	0...1 V		0...80 mV	0...20 mV	
PM	0...5/10 V			0...20 mA	0/4...20 mA
OHM	0...300 Ω	0...1,5 kΩ	0...3 kΩ	0...30 kΩ	
RTD-PT	Pt 100/Pt 500/Pt 1 000				
RTD-CU	Cu 50/Cu 100				
RTD-NI	NI 1000/NI 10 000				
T/C	J/K/T/E/B/S/ R/N/L				
DU	Linear potentiometer [min. 500 Ω]				

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]

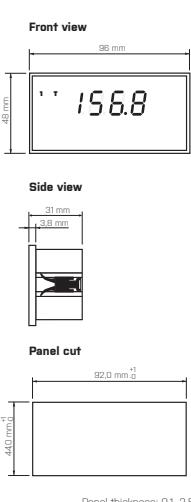
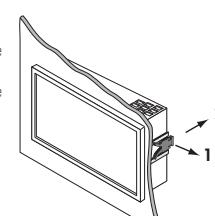
MOUNTING AND DIMENSIONS

1. Insert the instrument into the panel cutout
2. insert the fixating sliders into side grooves of the enclosure as shown
3. press the sliders tightly against the rear side of the panel



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



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 class 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]

*Pi - Primary insulation, Di - Double insulation

Vodnánská 67/30

198 00 Praha 9

Czech republic

Tel: +420 - 281 040 200

Fax: +420 - 281 040 299

e-mail: orbit@merret.cz

