Návod k nastavení EDC modulu pomocí M-Bus

1. Po otevření GlobalMeterManager vybrat možnost "Connection to the devices(A)."



2. Nastavení parametrů pro M-Bus zařízení

ZR_AsyncCom	
Port Component Help	
	ZENNER All thet count
Basic Equipment Timing	
Port type:	Port:
COM	COM2
Baudrate Parity 300 no 600 1200 2400 4800 9600 19200 19200 38400 57600 115200	COM2 MinoConnectUSB: SC218 FTDIBUS/VID 0403+FID 6001+65308C1B840830000 COM6 BTHENUMA 00001101-0000-1000-8000-00805F9B34FB}_LOCALM COM17 BTHENUMA 00001101-0000-1000-8000-00805F9B34FB}_LOCALM COM19 BTHENUMA 00001101-0000-1000-8000-00805F9B34FB}_LOCALM COM21 BTHENUMA 00001101-0000-1000-8000-00805F9B34FB}_LOCALM COM22 BTHENUMA 00001101-0000-1000-8000-00805F9B34FB}_LOCALM COM23 BTHENUMA 00001101-0000-1000-8000-00805F9B34FB}_LOCALM
	Refresh port list
	Cancel Set Ok

U možnosti Port type vybrat možnost **COM**, vpravo vybrat správný **COM port** ve kterém máme připojený M-Bus konventer. U možnosti Baudrate vybereme **2400** a u Parity **even**. (viz. Obrázek 个)

Překlikneme na další záložku \rightarrow Equipment

Gen ZR_AsyncCom Port Component Help	
Basic Equipment Timing Transceiver device None	All thet counts.
Device echo	Auto Power OFF [s] 1000 IrDa Pulse length [%] 0
Break Transceiver device info:	Dovetail side
	Karanaka (
	Status counter 0 Ney counter U Overload counter 0 Upgrade firmware
	Cancel Set Ok

U možnosti Transceiver device vybrat **None**, pod tím zaškrtnout **[v] Test Echo**. Další možnost Device wakeup vybrat **Break**. (viz. Obrázek 个)

Překlikneme na další záložku → **Timing**

Gm ZR_AsyncCom	and Mapping Physics	
Port Component Help		ZENNER All that counts.
Basic Equipment Timing		
between receive and transmit	10 after opening the com-port	200
allowed answer time	1000 break time	700
max. time between received bytes	0 break interval time	10000
offset time for each received block	0 after break	200
offset time for all	0 before repeat after error	200
		Default
L		Cancel Set Ok

Nastavení:Timing between receive and transmit: 10Allowed answer time: 1000Max. time between received bytes: 0Offset time for each received block: 0Break time: 700Break interval time: 10000After opening the com port: 200Before repeat after error: 200(viz. Obrázek 个)

General ZR_AsyncCom		F Manhor Manhor	-	
Port Component Help				
				ZENNER All that counts.
Open / Close				
between receive and transmit	10	after opening the com-port	200	
allowed answer time	1000	break time	700	
max. time between received bytes	0	break interval time	10000	
offset time for each received block	0	after break	200	
offset time for all	0	before repeat after error	200	
				Default
			Cancel	Set Ok

Poté stisknout tlačítko **Open / Close** a dóle tlačítko **Ok** (viz. Obrázek \downarrow)

3. Konfigurace EDC modulu, otevřít konfiguraci (viz. Obrázek \downarrow)

Gr Start Window	RELL A LANSING	
GlobalMeterManag	ger	ZENNER
cd> Data visualisation and analysis		<c> Dev se configuration</c>
	As Installation and readout structures	cs> Commissioning of bus and radio system
Database		Connection to the devices
<f1> Help</f1>	<r> Instantaneous or periodical device reading</r>	



Vpravo nahoře u možnosti Device type vybereme **EDC** a potom kliknout na tlačítko Read. (viz. Obrázek \uparrow)

Configurator	-			
Component Help				ZENNER
Parameter	Value	Unit	*	
Serial number	46002791			Device type
Device ident number (Me	6372329			
Device date and time	16.7.2018 12:39:20			Parameter description
FirmwareVersion	2.2.1:EDC_mBus			
Device error	False		_	value of each meter is taken into account, for example, 1, 10, 100 liters per
Manipulation	False		=	pulse.
Manufacturer	ZRI			
M-Bus Generation	2			
ListType	LIST_A			
Serial number (full)	EZRI0246002791			
WamingInfo	TAMPER_A			
M-Bus Address	10			
Medium	WATER -			
Due date	1.1.2000 0:00:00			
TotalVolumePulses	1930			
TimeZone	4			-
PulseMultiplier	10			
RegisterDigits	8			
PulseBlockLimit	0			Read only color
PulseLeakLimit	0			Is function color
PulseUnleakLimit	8			Value changed color
			Log	ger Read Write

Možnosti TotalVolumePulses píšeme celkové množství pulsů (1930 impulsů = 1,93m³) Do možnosti PulseMultiplier vložíme hodnotu **10** (jeden impuls = 10 litrů) (viz. Obrázek 个)

Gm Configurator				
Component Help				
				ZENNER
		11.5		
Parameter	Value	Unit	^	Device type EDC
Pulse Pack imit	0			
PulsebackLinit	20			
	20			Parameter description
OversizeDim	157			Value of the pulse output, taking into account the multiplier.
OversizeLimit	0			E.g .: PulseMultiplier = 1: 1 = 0.25 L / Imp.
UndersizeDiff	1575			4 = 1L / Imp. 6 = 1.5 L / Imp.
UndersizeLimit	0			E.g.: PulseMultiplier = 10:
BurstDiff	472 0			1 = 2.5 L / Imp. 10 = 25 L / Imp.
BurstLimit				
Serial number (secondary)	46002791			
MediumSecondary	WATER			
ManufacturerSecondary	ZRI			
Pulse detection enabled				
PulseoutMode	None	•		
PulseoutWidth	43,95			
Pulseout Resolution	4		E	
Nominal Flow Q3	63	r m³∕h		
Clear all loggers				
SetPcTime				Read only color
ClearWamings				Is function color
ClearManipulation			Ţ	Value changed color
			Lo	ger Read Write

Sjedeme jezdcem dolů, Všechny zaškrtávací okna zaškrtneme. PulseoutResolution by mělo být nastaveno na **4** a u Nominal Flow Q3 **63** m³/h (nominální hodnota průtoku[Q₃], liší se podle vodoměru, tato hodnota je pro Zenner DN80). Když máme vše nastaveno, stiskneme tlačítko **Write** vpravo dole. (viz. Obrázek \uparrow)