

IZAR STELLA MIU

SYSTEM

DIEHL
Metering



APPLICATION

The IZAR STELLA MIU is a wireless communication device which provides long range communication for water meter reading in AMR (mobile) and AMI (fixed network) applications.

FEATURES

- ▶ Standard LoRa® two-way wireless communication
- ▶ End-to-end information security including authentication, integrity protection, replay attack and encrypted messages
- ▶ Mushroom housing for pit installation
- ▶ Wall mount adaptor for basement / wall installation
- ▶ Migrates from mobile to fixed network to Smart City
- ▶ Stores up to 90 days of hourly data
- ▶ Supports firmware upgrade Over the Air (OTA)
- ▶ Compatible with Diehl HYDRUS and 3rd party meters
- ▶ Complies with FCC part 15 non-license 915MHz radio frequency

IZAR STELLA MIU

SYSTEM

PRINCIPLE OF OPERATION

The IZAR STELLA MIU communicates with the IZAR STELLA GATEWAY and/or IZAR STELLA MOTION to transmit its data utilizing LoRa[®] communication standards. It can be installed in pits or wall mounted.

TECHNICAL DATA

IZAR STELLA MIU		
Frequency (ISM Band)	MHz	902 ... 928
Modulation		LoRa [®]
Transmission mode		Bidirectional, LoRa [®] Protocol
Approval standard		FCC Part 15
Power supply		Lithium battery 3.6 VDC / 19Ah
Battery lifetime		20 years
Cable length		5 feet

AMBIENT CONDITIONS

IZAR STELLA MIU		
Operating temperature	°F	-22 ... 158
Storage temperature	°F	up to 86
Relative humidity	%	100
IP rating		IP68

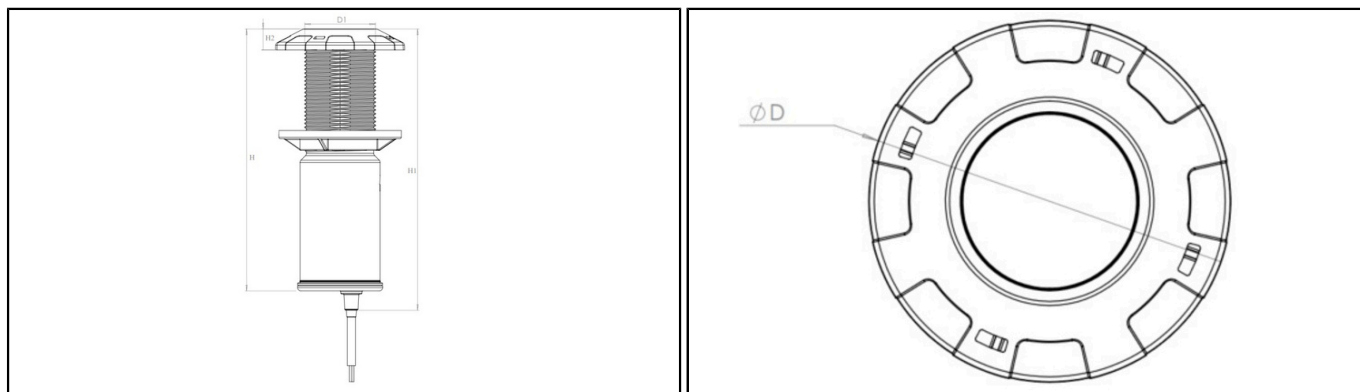
PROGRAMMING

IZAR STELLA MIU	
Interface	Bluetooth [®] via IZAR STELLA REMOTE BT
Alarms	Leak alarm - low power - tampering alarm - reverse flow - over flow - temperature alarm (HYDRUS only) - no usage

COMPATIBILITY

IZAR STELLA MIU	
Meters	HYDRUS standard & extended encoder, 3rd party meter with standard encoder protocol

DIMENSIONS



IZAR STELLA MIU			
Height	H	inch	6.5
Height including strain relief	H1	inch	7
Height of mushroom	H2	inch	0.5
Diameter of tube	D1	inch	1.75
Diameter of mushroom	D	inch	3.25