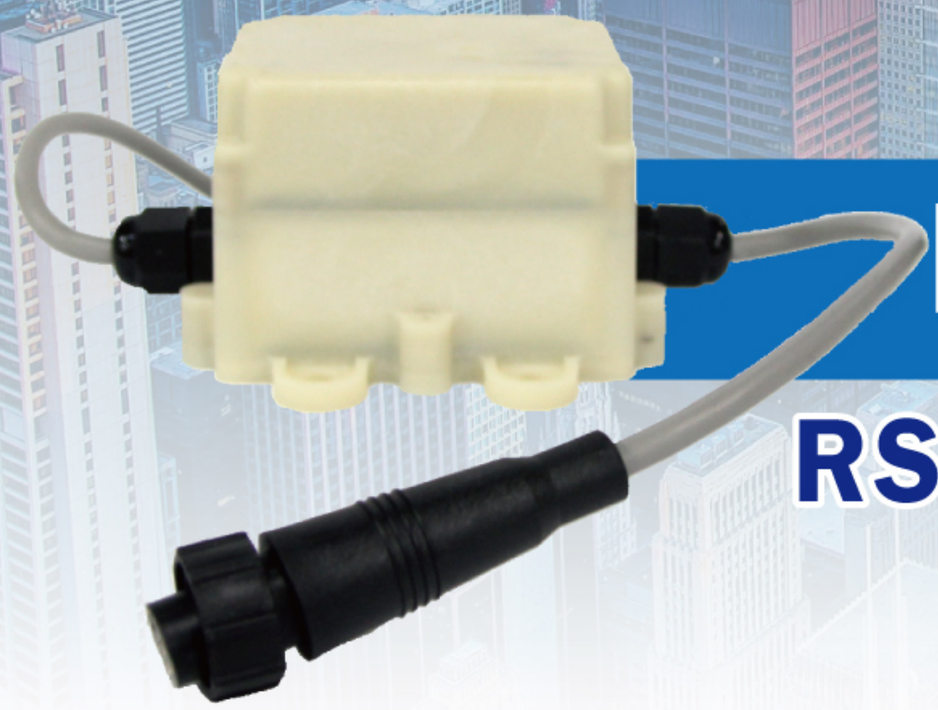


RMT Series

RS-485/Modbus(RTU) Transfer Interface

FEATURES

- User-defined transmission intervals
- Data transmission of totalizer, forward/reverse flow,and smart functions
- Submetering application available (RMTs)
- Connect Max. 40 water metes (RMTs)
- Robust IP68 rated housing

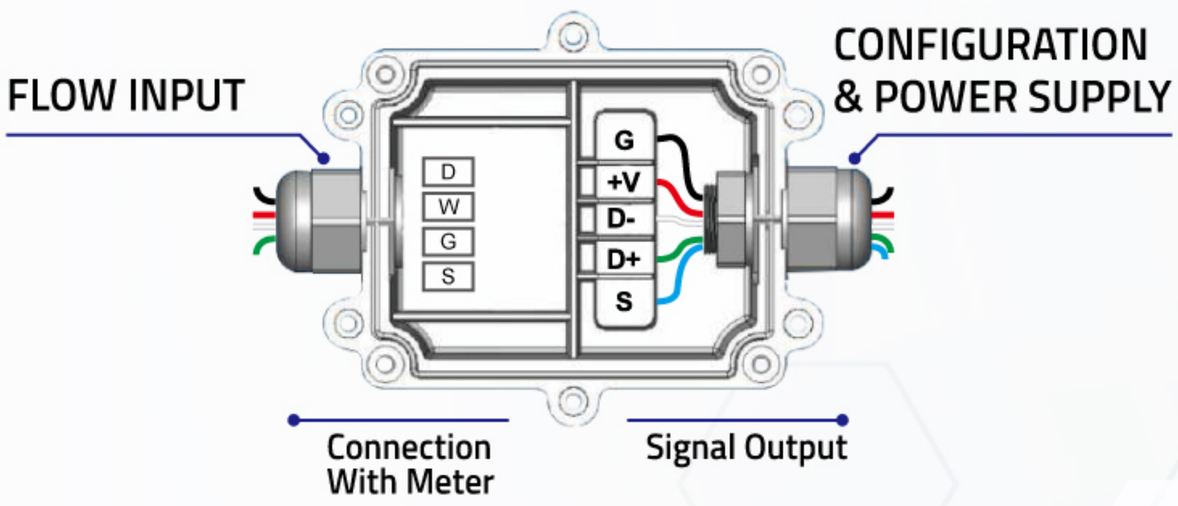
APPLICATIONS

- High-rise building water usage monitoring
- Commercial and industrial water usage monitoring
- Connect to converter to send data by 3G/4G/GPRS

INTERFACES

FLOW INPUT	EMS digital water meter
PHYSICAL INTERFACES CONFIGURATION	RS-485-USB cable connection to PC
POWER SUPPLY	Mains electricity

WIRE INTERPRETATION



FLOW INPUT

- D (Red wire)
- W (White wire)
- G (Black wire)
- S (Cable shielding)

CONFIGURATION & POWER SUPPLY

- G (Black): DC Grounding
- +V (Red): 9-24 VDC
- D+ (Green) and D- (White): RS-485 Terminal
- S: Cable shielding Terminal

Light Indicator Interpretation

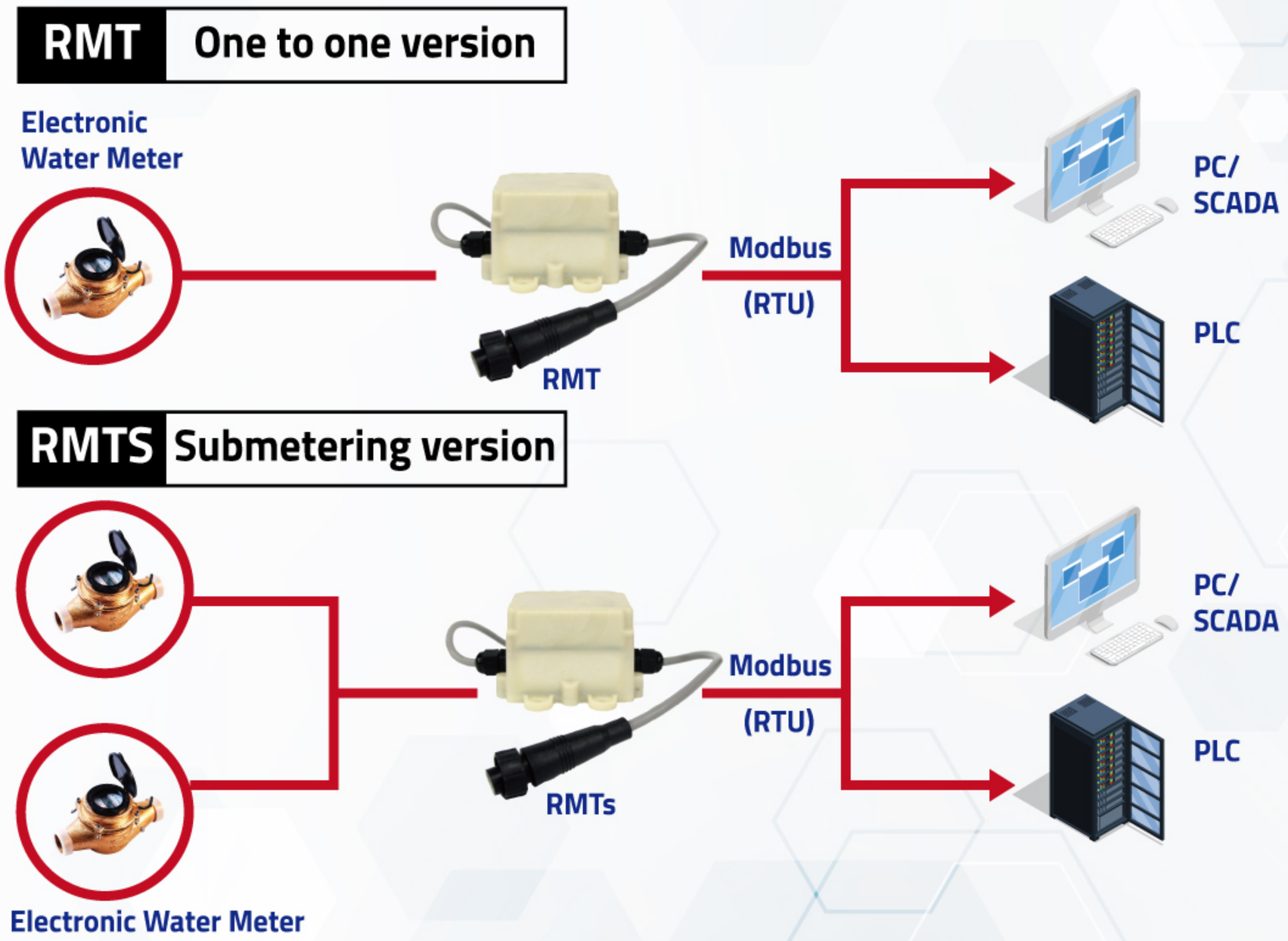
Green Light-Power and Circuit Status	
Flicking Fast	Normal
On	Abnormal
Off	No power
Temporary on	Processing serial communication

Red Light-Meter Reading Status	
Flicking Fast	Meter Reading
On	Meter Reading Failed
Off	Successful Meter Reading

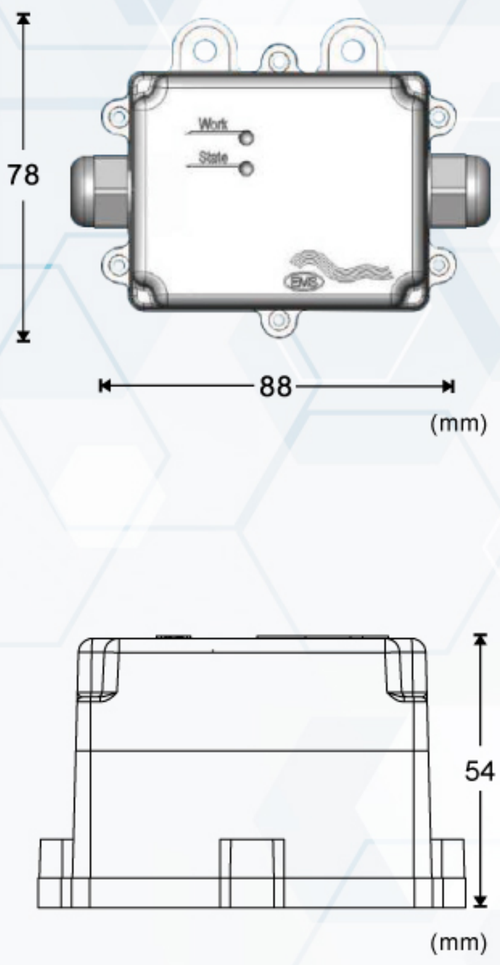
TECHNICAL DATA

PHYSICAL DESIGN	
Case material	ABS
Dimensions (H*L*W)	54 x 78 x 88 mm
Weight	300 g
Operating temperature	-25°C~70°C
Enclosure class	IP68
Mains electricity	Vin=+9~+24VDC (above 100mA)
CONNECTIONS	
Digital signal	EMS digital water meter
COMMUNICATIONS	
Communication distance	From RMT to water meter: 100 m (Total length)
	From RMT to system: 1000 m
Communication wire	EMS water meter input: 22 AWG 3-core shielded cable
	RS-485/Modbus output: 22~26 AWG 4-core shielded twisted pair cable
Data format	1 Stop Bit, No Parity, 8 Data Bits
Baud rate	4800, 9600, 19200, 38400, 57600, 115200 bps
CONFIGURATION	
Wired configuration	RS-485-USB converter connection to PC

COMMUNICATIONS NETWORK



DIMENSIONS



Precise. Manage. Optimize.

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