

IN HOME DISPLAY

User Manual X129027



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1. Introduction

The IHD is equipped with meter, can communicate with meter through double twisted pair G3-PLC communication. Meter will regularly send data to IHD, including the instantaneous data, like voltage and current, energy consumption, remaining energy, some parameters and event flags. IHD displays these parameters of corresponding meter, after receiving data.

IHD fixes the display for remaining credit page (according to the meter's configuration, will be remaining energy or remaining amount). To read other display items, like current, voltage, please enter short code.

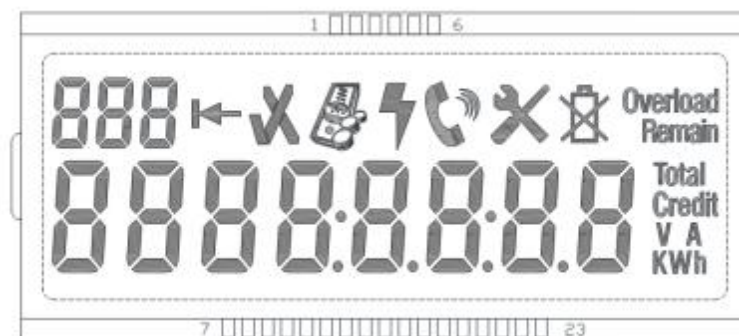
For G3PLC version, the IHD can be power supplied by four #5 batteries when power failure, for user to do recharging for meter.

The user can operate through IHD's keypad to do the recharging or reading. IHD can reading data and check events of meter by sending short codes and update the display content. Users can enter 20-digit token to do recharging for meter.

2. Parameters

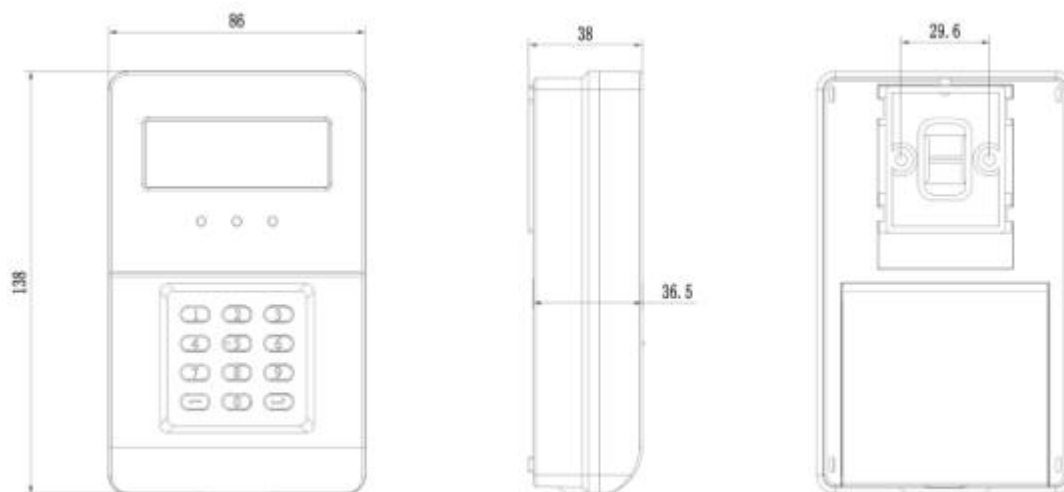
Voltage:	230V
Frequency:	50Hz
Display:	LCD 6+2 = 999999.99kW
Power consumption:	<10VA/2W
Communication protocol:	DLMS/COSEM(IEC62056)
Starting current:	40mA
Working temperature:	-25℃~70℃
Limit working temperature:	-30℃~80℃
Working humidity:	<95%

3. Display



Effective drawing

4. Dimension



Dimension

Height: 138mm

Width: 86mm

Depth: 38mm

5. Installation Instruction



IHD - install the piece at the back of IHD

Recommended wire (For your reference) :

Safe carrying capacity of rubber or plastic insulated wire(1)					
specification (mm)	nominal cross section (mm ²)	carrying capacity (A)			
		BX	BLX	BV	BLV
1*1.13	1	20		18	
1*1.37	1.5	25		22	
1*1.76	2.5	33	25	30	23
1*2.24	4	42	33	40	30
1*2.73	6	55	42	50	40
7*1.33	10	80	55	75	55
7*1.76	16	105	80	100	75
7*2.12	25	140	105	130	100
7*2.50	35	170	140	160	125
19*1.83	50	225	170	205	150
19*2.14	75	280	225	255	185
19*2.50	95	340	280	320	240
Note: BX(BLX) copper (aluminum) core rubber insulated wire or BV(BLV) copper (aluminum) core PVC plastic insulated wire, widely used in 500V or less than 500V AC and DC power distribution system. The temperature for the data listed in the above table is 35℃, the safe carrying capacity value for the wire on single coved.					

6.Safety Instructions

Information for Your Own Safety

This manual does not contain all of the safety measures for operation of this equipment (module, device) because special operating conditions, local code requirements or local regulations may necessitate further measures. However, it does contain information which must be adhered to for your own personal safety and to avoid damage to the equipment. This information is highlighted by a warning triangle with an exclamation mark or a lightning bolt depending on the severity of the warning.



Warning

Means that failure to observe the instruction can result in death, serious injury or considerable material damage.



Caution

Means hazard of electric shock and failure to take the necessary safety precautions will result in death, serious injury or considerable material damage.

Qualified personnel

Installation and operation of this equipment described in this manual may only be performed by qualified personal.

Only people that are authorized to install, connect and use this equipment and have the proper knowledge about labeling and grounding electrical equipment and circuits and can do so according to safety and regulatory standards are considered qualified personnel in the manual.

Use for the intend purpose

The equipment (device, module) may only be used for the application cases specified in the catalog and the user manual and only in connection with devices and components recommended and approved by YTL.

Exclusion of liability

We have checked the contents of this publication and every effort has been made to ensure that the descriptions are as accurate as possible. However, deviations from the description cannot be completely ruled out, so that no liability can be accepted for any errors or omissions in the information given. The data in this manual is checked regularly and the necessary corrections will be included in subsequent editions. If you have any suggestions, pls let us know.



Subject to technical modifications without notice.

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General Warning

After removing the packaging make sure the integrity of the unit. If in doubt don't use the equipment and contact technical staff.

Mounting of electric appliances must be carried out only by skilled electricians. It is imperative to observe the generally applicable safety measures.

In case of failure and /or malfunctioning of the device, turn off it. For any repair only contact technical staff. Failure to comply with the above may compromise the device safety.

Warranty

The manufactory will repair or exchange the products while the lead seal is still exited, within 18 months, when discovering the products not accordance with the technical specification.

Technical support

For any problems of our products please contact:

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