

# LM6I20 PLC

Concentrator of 4 impulse inputs with PLC communications



## Description

The **LM6I20** is a device able to be connected to a PLC communication network, it takes the readings from any device that emits impulses such as water, gas or heat meter.

It has six inputs that are isolated from the main supply. The impulses account of each one are sent by PLC communications to the concentrator **PLC 800**.

Also it has two outputs which can actuate on contactors, acoustic and/ or luminous devices for non critical alarms.

The device will use the PLC network, the RS-232 or RS-485 (optional) communication port.

## Application

The **LM6I20 PLC** has six inputs which counts the impulses of an external meter. These inputs are isolated from the main network and are independent one from the others.

The **LM6I20** will send the accumulated readings to the **PLC800** concentrator. Optionally, it can store an hourly load profile from each input. That profile can be downloaded in order to give all the information to create a billing system. This load profile has a capacity of 31 days, it will be stored into the PLC 800 concentrator or it can be downloaded directly with the serial port.

These inputs have a limit of 1.000.000.000 impulses. After that, the input value will be put to 0. The capacity of these inputs is up to 10 impulses for a second.

The device also has two relay outputs and working with them it is possible to read its status or to open and close them remotely.

## Features

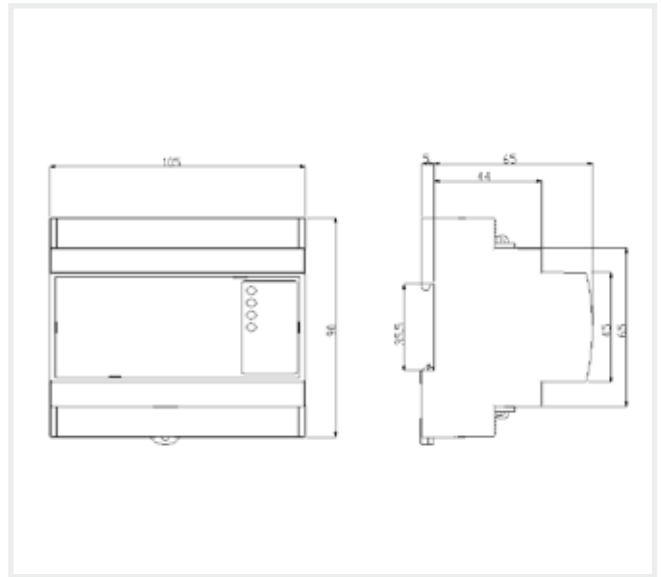
<b>Power supply</b>	
Nominal voltage	127 V to 230 V
Frequency	50 or 60 Hz
Operating temperature	-20 ... +60 °C
<b>Memory (optional)</b>	
RTC	External saved from battery
Data	Non volatile
<b>Battery (optional)</b>	
Type	Lithium
Working life	> 20 years
<b>Clock (optional)</b>	
Type	Quartz oscillator
Drift	< 0.5 s/day at 25 °C
<b>Digital inputs</b>	
Type	Octocoupled (5 V)
Compatibility	UNE-EN-62053-31
Maximum impulses per second	8
Minimum pulse width	25 ms
Maximum ON impedance of pulses generator device	1 kΩ
Presence of pulse	INPUT and COM short-circuited
Absence of pulse	INPUT and COM opened
<b>Digital outputs</b>	
Type	Mechanical
Relay	250 V a.c. // 5 A a.c.
<b>Communications</b>	
Type	Isolated RS-232 or RS-485 (optional)
Baud rate	9600 bps
<b>Build features</b>	
Enclosure	DIN rail
Degree of protection	Terminals: IP 20 Enclosure: IP 41

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## Dimensions



## References

Model	Code	Power Supply 127...230 V <sub>a.c.</sub>	Communications band	Power Supply 3 x 230/400 V 3 x 127/220 V	Communication COM1	Communication COM2	Inputs	Outputs
LM6I20 - PLC A	Q30217	•	PLC A	•	RS-232	PLC A	6	2
LM6I20 - PLC A	Q302170010	•	PLC A	•	RS-485	PLC A	6	2
LM6I20 - PLC B	Q30218	•	PLC B	•	RS-232	PLC B	6	2
LM6I20 - PLC B	Q302180010	•	PLC B	•	RS-485	PLC B	6	2

## Connections

