

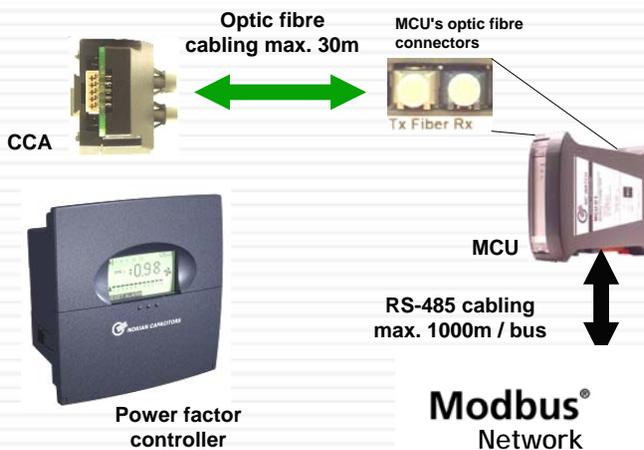
NC12 - MCU Modbus module



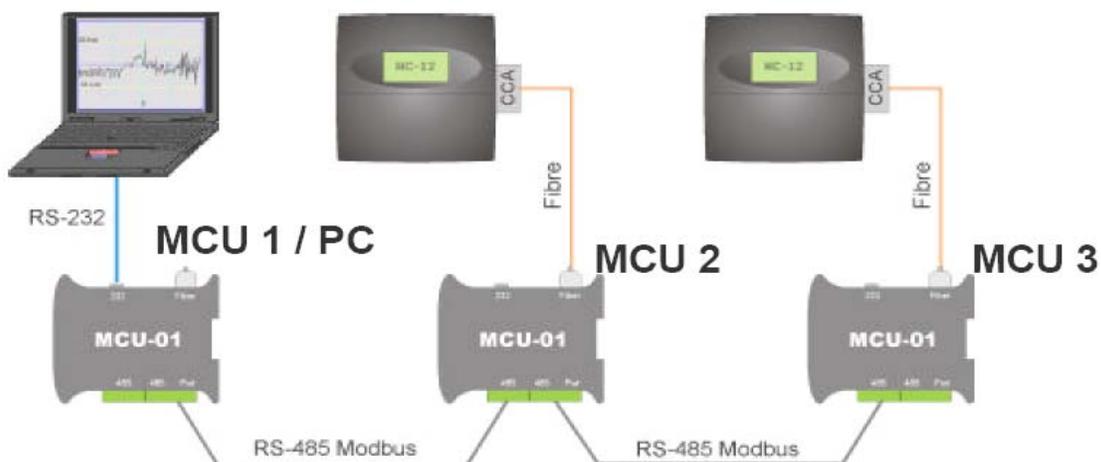
Modbus MCU module



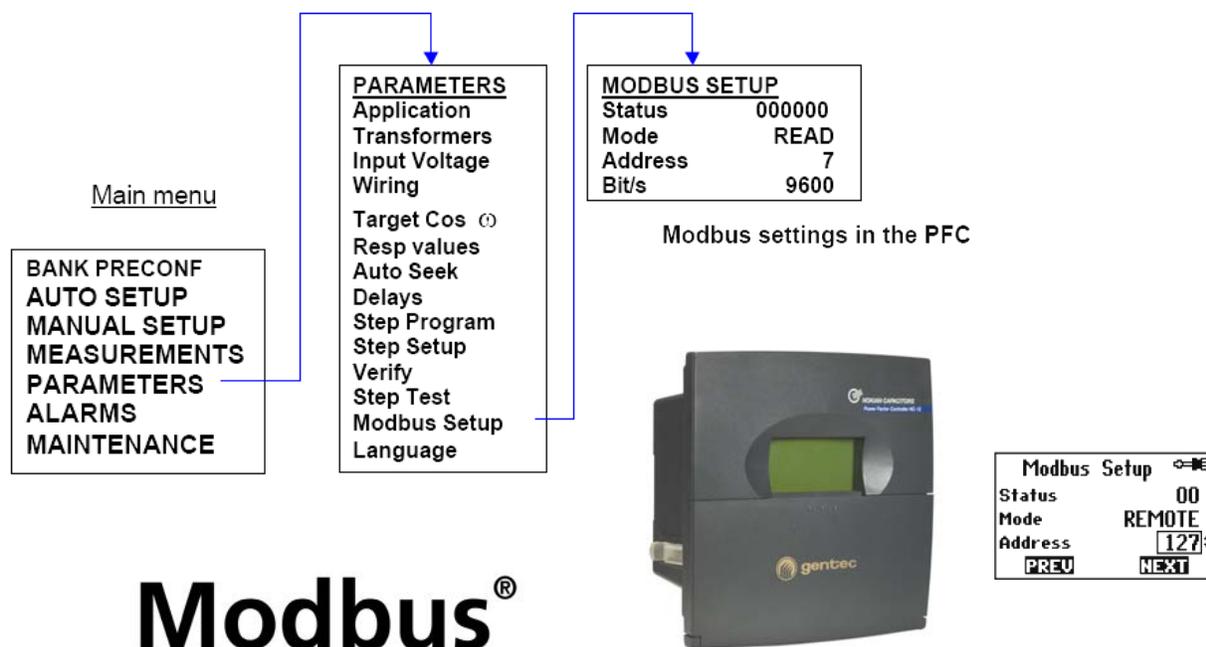
The MCU has an RS-485 port (dual connectors A and B, for cascading purposes), fiber connectors and an RS-232 port. Used ports are selected with jumpers in an MCU. Bias voltages and bus terminators have their own DIP switches. In the front panel there is a power LED and status indication LEDs for communication. The MCU is DIN rail mountable.



- One MCU needed for each NC-12
- Adapts optic fibre to RS-485.
- Mountable to DIN-trail
- Contains
 - RS-232, RS-485 and optic fibre connectors for connecting PFC/CCA to RS-485 bus.
 - Power and data transmission leds.
 - Dip-switch for configuration
- Provides centralized power source for MCUs and RIUs connected to RS-485 bus.
- Mountable to DIN-trail.
- Supply 10 to 30 Vdc (10 ... 20 VA CA)
- Consumption 2 watts per module MCU



Menu structure:



Modbus®

Modbus register map for NC-12 PFC

Modbus function 4

- 32-bit values reserve two consecutive registers.
- Most significant part of a 32-bit value is the first register (lower index).
- 8-bit values are stored into 16-bit registers

Type	
S32	Signed 32-bit value
U32	Unsigned 32-bit value
S16	Signed 16-bit value
U16	Unsigned 16-bit value
S8	Sign extended 8-bit value
U8	Unsigned 8-bit value

Table 8: Value types

Index	Name	Unit	Type
1	Active Power	W	S32
3	Reactive Power	var	S32
5	Apparent Power	VA	S32
7	Active Current	mA	S32
9	Reactive Current	mA	S32
11	Apparent current	mA	S32
13	Voltage	V	U32