ENERGY XT – PRO
PROGRAMMABLE ANALOG AND PARAMETERIZE AUTOMAT

IDEAL FOR CONTINUOUS FLOW PROCESSES AS CONTROLS FOR TEMPERATURE, HUMIDITY, PRESSURE, AND INDUSTRIAL PROCESSES

"Programmable and configurable analog automaton, according to IEC 61131 standard for process flow continuous or sequential
"Flash memory for storing program and eeprom parameters of each application.
"Programmable LCD keyboard display of the PLC inputs and outputs, as well as for parameter settings implemented in the program.

Power supply and universal type digital inputs [switching] of 24 volts alternating current or continuous.

RS-485 ports for remote connection of the expansions [com2] and remote keyboard [COM4]. allows a maximum distance between bases and expansions of 100 meters.

RS-485 [com1] for connection to monitoring systems Television / modbus. both port configurable as master or slave modbus.

RS-232 [com3] to connect an analog modem or GSM functions developed to SMS

Programmable keyboard with LCD display in two languages easily selectable the keyboard.

NTC / PTC extended range (up to 160 ° C) PTC / 4 ... 20mA configurable parameter without having to program anything.

MODULAR SYSTEM, FLEXIBLE AND CUSTOMIZABLE COMPOSED BY:

BASE + **KEY BOARD** + **EXPANSIONS Until 4**

XTE EXPANSIONS
• Two expansion modules to ensure a large allowing scalability optimize cost-performance ratio and providing the user possibility of buying only what you need.
• A wire "ethernet" can be linked to XT base up to 4 modules XT
• Communication between modules based on CANBUS ensures a consistent and rapid exchange information thus ensuring a time adequate system response

XTK KEYBOARDS
• EXTPRO is a keyboard with a large graphic LCD display (122x32) and 10 keys allows access to all the fundamental operations management and control via simple tree menu easily customizable in various languages through software.
• Each EXT can connect up to 2 keyboards (one local keyboard keyboard + remote) and are prepared both for panel mounting (front IP64) or wall.
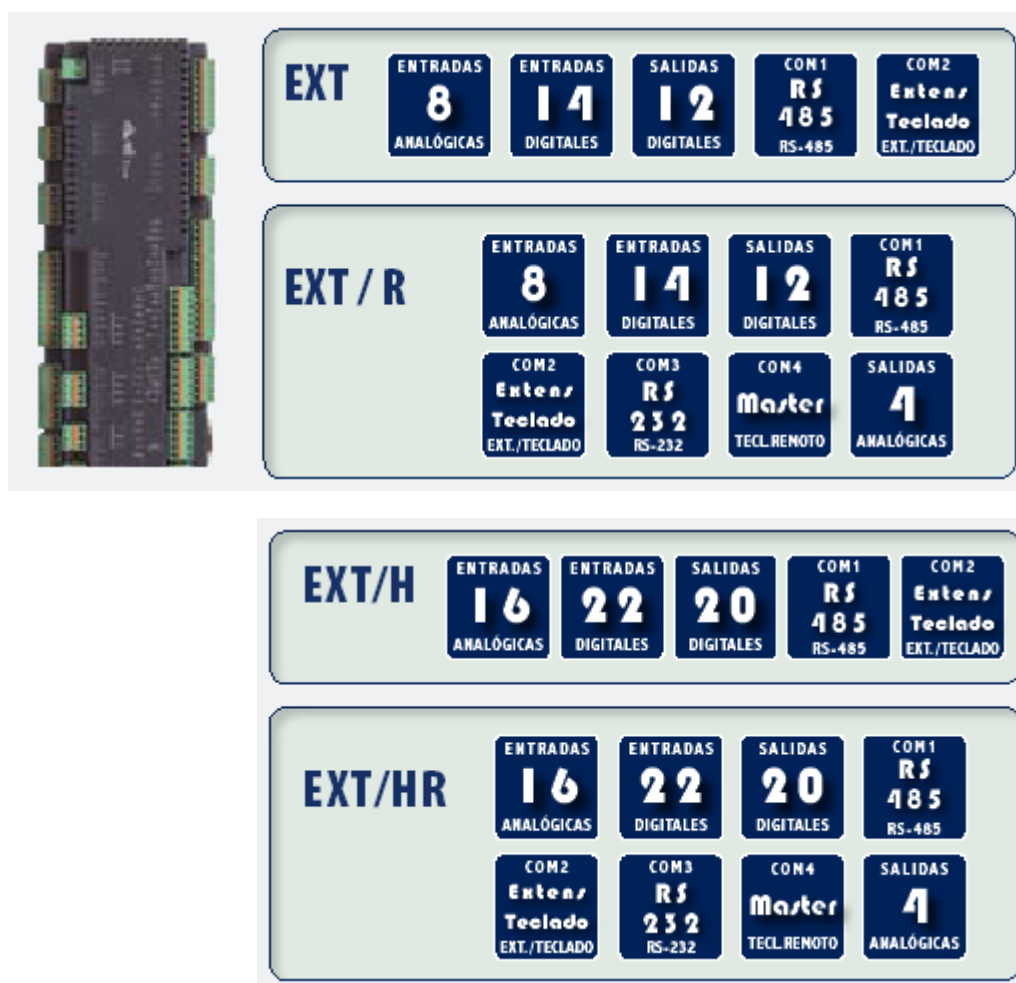• Connections: screw terminal block

Dimensions 219 x 119 x 32 mm
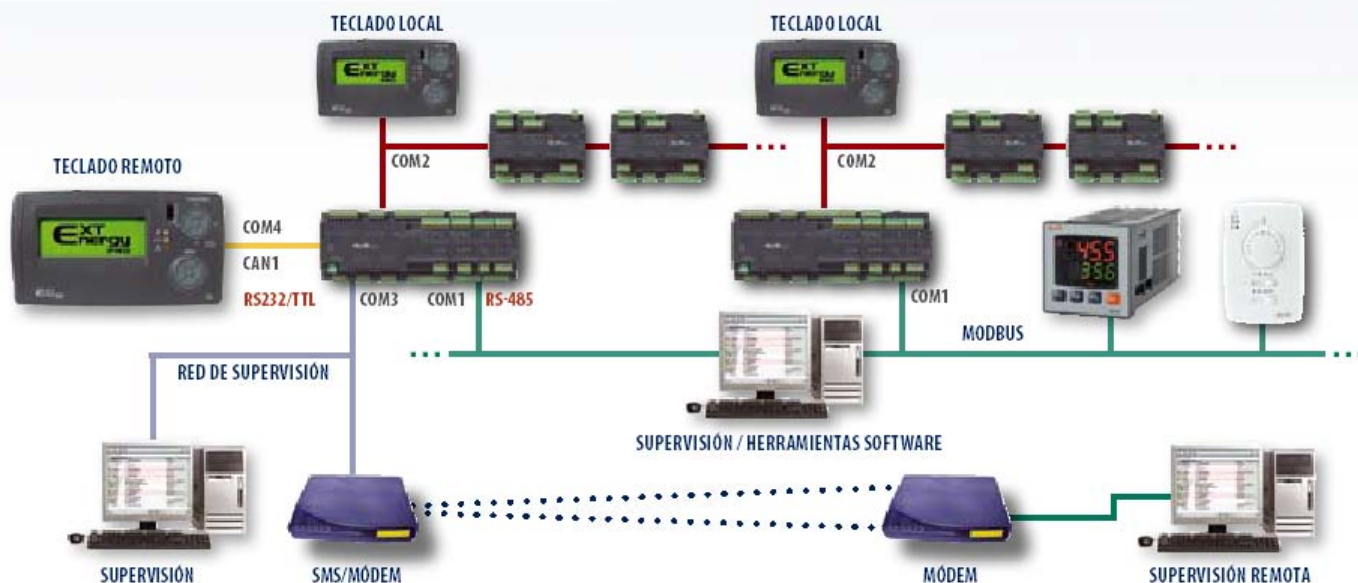
Polycarbonate + open card

BASE PLATE
THERE ARE FOUR BASIC CONFIGURATIONS OF THE MOTHERBOARD, ACCORDING TO THE OUTPUTS / INPUTS

EXT
| ENTRADAS 8 ANALÓGICAS | ENTRADAS 14 DIGITALES | SALIDAS 12 DIGITALES | COM1 RS 485 RS-485 | COM2 Extens Teclado EXT./TECLADO |

EXT / R
| ENTRADAS 8 ANALÓGICAS | ENTRADAS 14 DIGITALES | SALIDAS 12 DIGITALES | COM1 RS 485 RS-485 |
| COM2 Extens Teclado EXT./TECLADO | COM3 RS 232 RS-232 | CON4 Master TECL.REMOTO | SALIDAS 4 ANALÓGICAS |

EXT/H
| ENTRADAS 16 ANALÓGICAS | ENTRADAS 22 DIGITALES | SALIDAS 20 DIGITALES | COM1 RS 485 RS-485 | COM2 Extens Teclado EXT./TECLADO |

EXT/HR
| ENTRADAS 16 ANALÓGICAS | ENTRADAS 22 DIGITALES | SALIDAS 20 DIGITALES | COM1 RS 485 RS-485 |
| COM2 Extens Teclado EXT./TECLADO | COM3 RS 232 RS-232 | CON4 Master TECL.REMOTO | SALIDAS 4 ANALÓGICAS |

MODEL	APLICATION	HARDWARE BASE
EWTS 1200	Control paraactivar schedule with annual calendar on or off all kinds of loads.. 12 relay output	EXP8BE0A0C500
EWTS 2000	Control schedule with annual calendar to enable or disable all types of cargo. modulation and analog outputs. 20 relay outputs and 4 analog 0 ... 10V	EXPADHVA0G500
EWHU 1200	Control for air conditioners, control 3-way proportional valves, gates air renewal.	EXP8BEVA0G500
EWPM 1200	Timing for the activation of water pumps, exhaust fans, etc ... with digital input and rotation failure in terms of hours of operation.	EXP8BE0A0C500
EWCH 2000	Control chillers with or without heat pump up to 2 channels and 8 compressors	Consult installation feature
EWFC 2000	Control machines with air-air heat-pump or up to 2 channels and 8 compressors	Consult installation feature
EWSL 2000	Control to regulate chillers with solar panels, support and control resistors antilegionela	Consult installation feature

COMMUNICATION PORTS

DESCRIPTION	MODEL	ANALOG IMPUTS	DIG, IMP.	DIG. OUT.	ANALOG OUTPUTS	COMMUNICATION
PLACA BASE	XTM	4 Temp. + 4 Conf.	14	12	–	COM 1,2
	XTM/R VOLT OUT	4 Temp. + 4 Conf.	14	12	4 0-10V	COM 1,2,3,4
	XTM/R CURR OUT	4 Temp. + 4 Conf.	14	12	4. 4-20mA	COM 1,2,3,4
	XTMH	8 Temp. + 8 Conf.	22	20	–	COM 1,2
	XTMH/R VOLT OUT	8 Temp. + 8 Conf.	22	20	4. 0-10V	COM 1,2,3,4
	XTMH/R CURR OUT	8 Temp. + 8 Conf.	22	20	4 4-20mA	COM 1,2,3,4
EXPANSIONES (4 máx.)	XTE	4 Configurables	4	9	–	COM 2
	XTE VOLT OUT	4 Configurables	8	15	2. 0-10V	COM 2
	XTE CURR OUT	4 Configurables	8	15	2 4-20mA	COM 2
CLOSED KEYBOARD	XTK - PRO	–	–	–	–	COM 2 RS 485
OPEN KEYBOARD	XTK - PRO OPEN	–	–	–	–	COM 2 RS 485
POLYCARBONATE	POLYCARBONATE	–	–	–	–	–
TRAFO	TRANSFORMER 25 VA	–	–	–	–	–