



Applications



DISAI
Automatic Systems

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Temperature Controller



**ESM-3710-N ON-OFF
HEATING&COOLING
CONTROLLER**

Temperature Controller

ESM-3710-N

ESM-3710-N DIGITAL ON-OFF HEATING & COOLING CONTROLLER

- NTC, PTC, TC, PT-100 Inputs
- Remote access, data collection /Modbus RTU



Boilers with Solid Fuel

Industrail Fryer



Pizza Oven



Temperature Controller



**ESM-3712-CN DIGITAL ON-OFF
COLLING CONTROLLER**

Temperature Controller

ESM-3712-CN

ESM-3712-CN DIGITAL ON-OFF COOLING CONTROLLER

- NTC, PTC Inputs
- Remote access, Modbus RTU
- 2 sensor input for cabinet and evaporator



Temperature Controller



ESM-XX20

PID TEMPERATURE CONTROLLER

Temperature Controller

ESM-XX20

ESM-4420, ESM-7720, ESM-9920 PID TEMPERATURE CONTROLLER

- Universal process input (TC, RTD)
- One SSR Driver output + Two Relay output



Boilers / hot oil

Hot Runner Units



Process Controllers



ESM-XX50 series
PID PROCESS CONTROLLER

Process Controllers & Indicators

ESM-XX50

ESM-XX50 series PID PROCESS CONTROLLER

- Universal process input (TC, RTD, V, mA)
- 8 steps Ramp&Soak function
- Motorised valve control
- RS-232 or RS-485 communication.

Compressor Pressure Control



Level Control

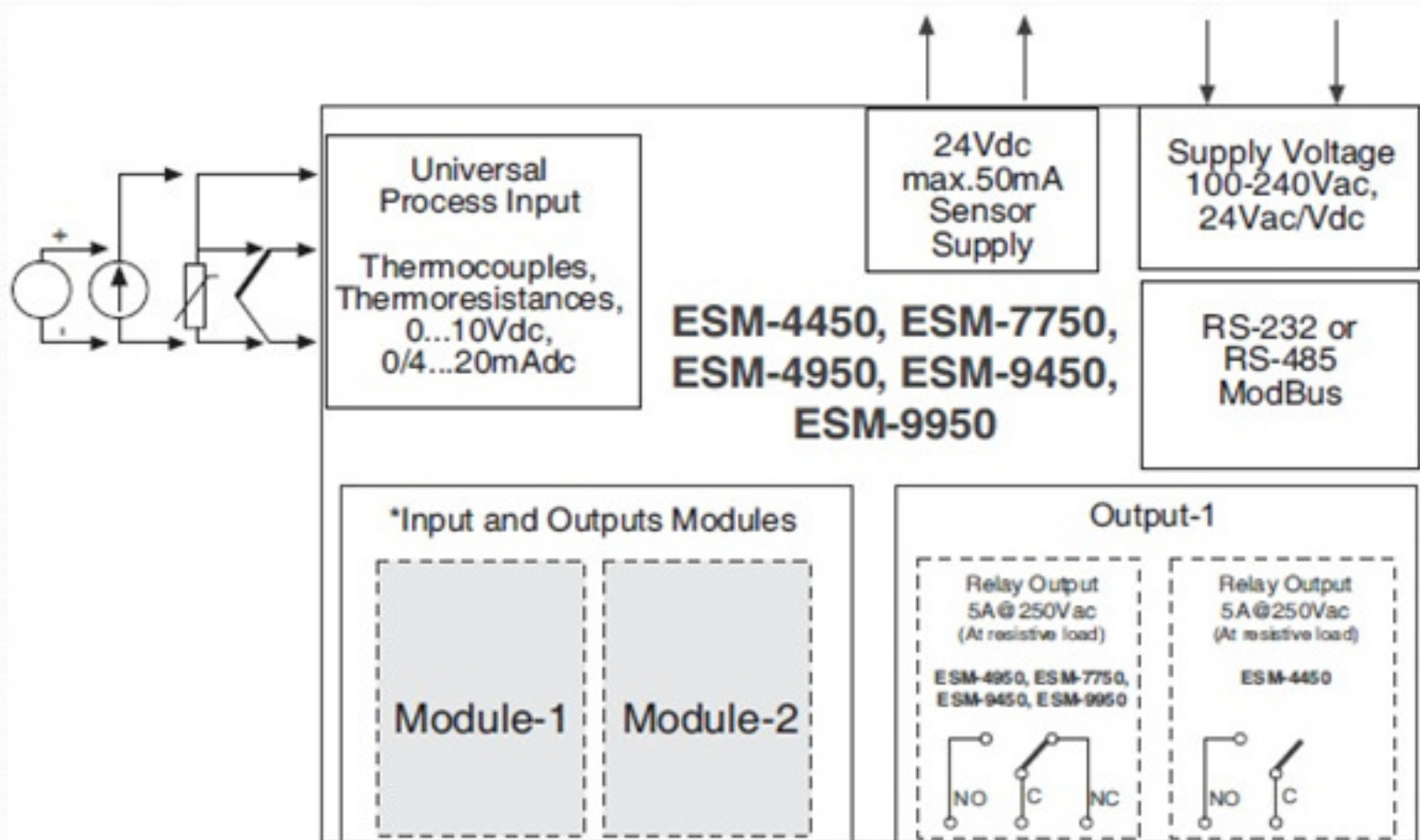


Process Controllers

ESM-XX50

ESM-XX50

PID PROCESS CONTROLLER



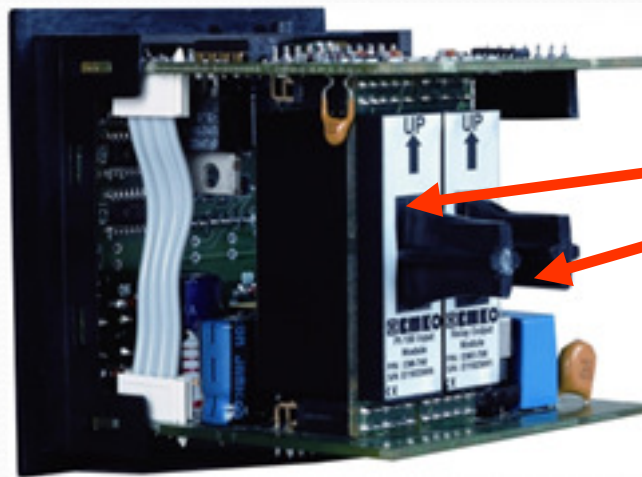
* Input and output modules can be mounted each modules sockets.

* Two input modules can be not be plugged in Module-1 and Module-2 socket at the same time

Process Controllers & Indicators

ESM-XX50

ESM-XX50 series PROCESS CONTROLLER



“Smart I/O Modular System”



RS-232 or RS-485
Communication Interface



48x48, 96x48, 48x96
d. I/O Modules



72x72 device
I/O Modules



96x96 device
I/O Modules

Process Indicators



**ESM-XX00 series
PROCESS INDICATOR**

Process Indicators

ESM-XX00

ESM-XX00 series PROCESS INDICATORS

- Universal process input (TC, RTD, V, mA)
- RS-232 or RS-485 communication.
- Retransmission output



Flow Temperature

Humidity

Pressure



Level



Timers & Counters



Timer & Counters



**EZM-XX50 series SMART OUTPUT
MODULAR SYSTEM
MULTIFUNCTIONAL TIMER&COUNTER**

COUNTERS AND TIMERS

DIP SWITCH SELECTION FOR YOUR APPLICATION

Configurable 5 different functions in one

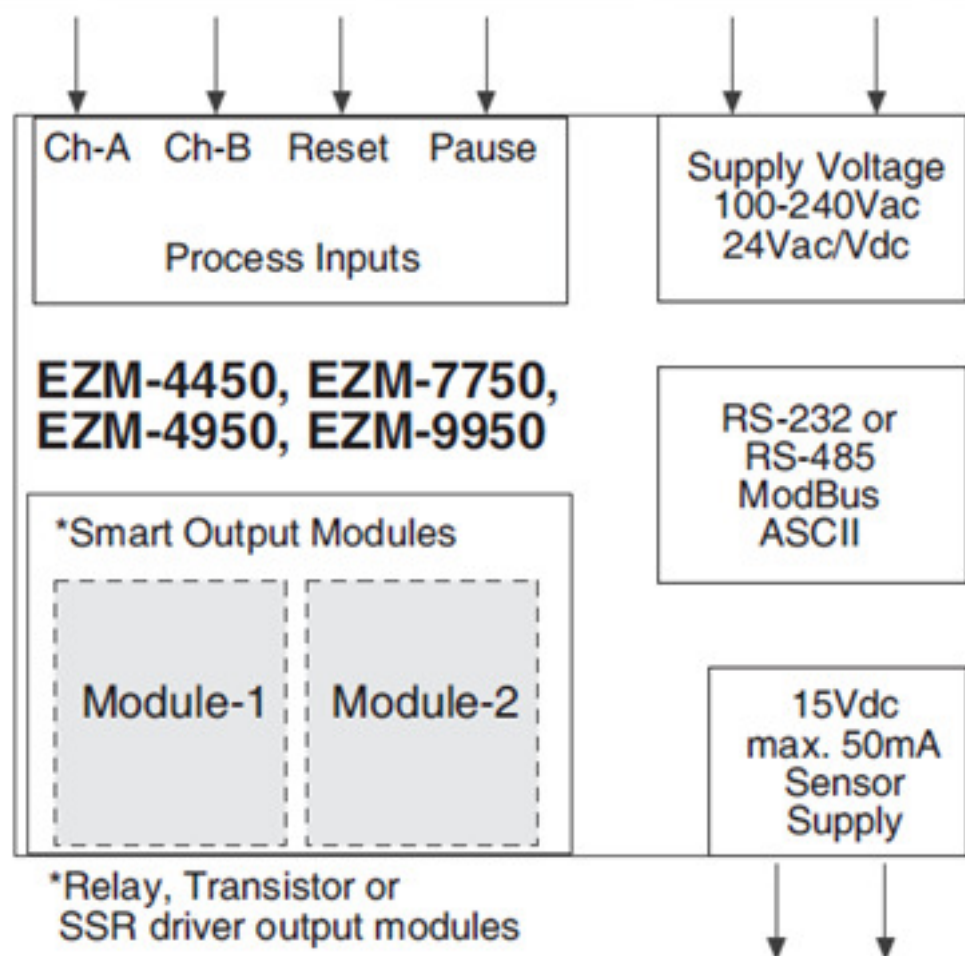
- Counter / “Totalizer Counter”
- Timer
- Chronometer
- Batch Counter
- Frequencymeter and Tachometer
- Tachometer

OFF ON 1 ☐ ☒ 2 ☐ ☒ 3 ☒ ☐	Counter / “Totalizer Counter”
OFF ON 1 ☒ ☐ 2 ☐ ☒ 3 ☒ ☐	Timer
OFF ON 1 ☒ ☐ 2 ☐ ☒ 3 ☐ ☒	Chronometer
OFF ON 1 ☐ ☒ 2 ☒ ☐ 3 ☐ ☒	Batch Counter
OFF ON 1 ☐ ☒ 2 ☒ ☐ 3 ☒ ☐	Frequencymeter and Tachometer

Timer & Counters

EZM-XX50

EZM-XX50 series Multifunctional Timer&Counter



Timer & Counters

EZM-XX50

**EZM-XX50 series
Multifunctional Timer&Counter**



Filling machines



Press Machines



Cutting Machines



Timer & Counters

**NEW
PRODUCT**



**EZM-3735
PROGRAMMABLE TIMER**

Timer & Counters

**NEW
PRODUCT**

EZM-3735

EZM-3735

Programmable Timer

- Single Contact Output for Timing control (ON/OFF)
- External Start Input
- Programmable Time Bases (Second, Minute, Hour)
- Adjustable internal buzzer according to Timer Stop status.
- Password protection for programming section



Timer & Counters

DIGITAL TACHOMETER



77x35mm Panel Size **ERM-3770**



Custom Oriented Controllers



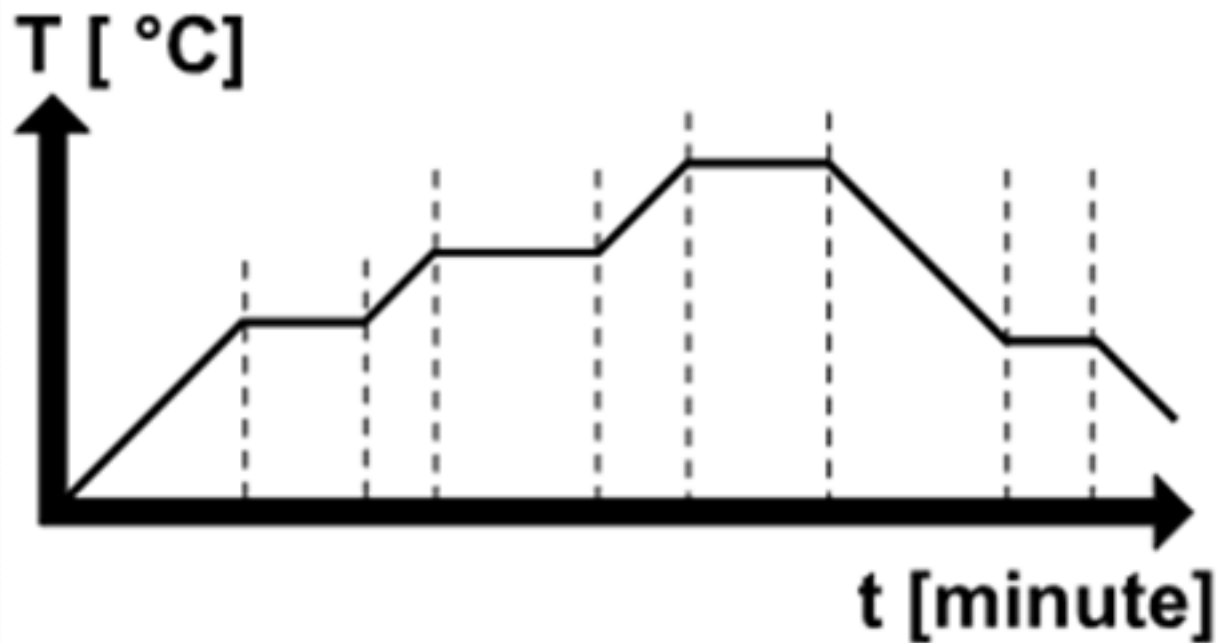
**ESM-9990
PROFILE CONTROLLER**

Custom Oriented Controllers

ESM-9990

ESM-9990 Profile Controller

- 8 steps profile control
- Ramp&Soak on profile steps
- Power break Back Up



Custom Oriented Controllers

ESM-9990

ESM-9990 Profile Controller



- Ceramic Ovens
- Jewellery Ovens
- Glass Ovens



Custom Oriented Controllers

**NEW
PRODUCT**



**OVEN CONTROL
SINGLE & DUAL**

Custom Oriented Controllers

**NEW
PRODUCT**

Oven Control

Oven Control Single & Dual

- Relay outputs to control 2 Heaters(no/nc), 4 Fans, Brulor, Steam,Lamp and Time-Out
- 1 door status input and 1 brulor failure input
- ON / OFF temperature control for 2 areas
- 8 buttons to making different programs
- Adjustable temperature offset
- Auto-start feature with real time



Custom Oriented Controllers

**NEW
PRODUCT**



**DT-9910 (Differential Delta-t)
Temperature Controller**

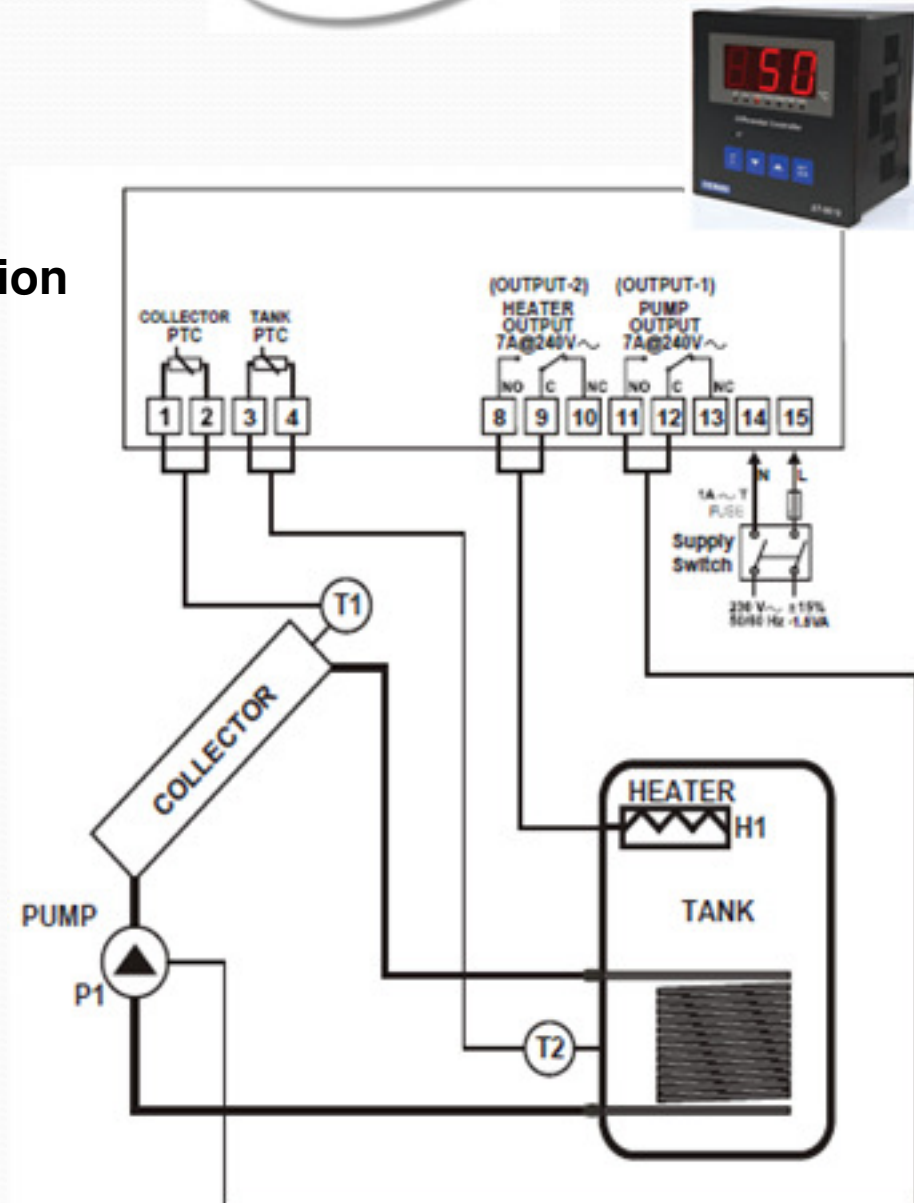
Custom Oriented Controllers

**NEW
PRODUCT**

DT-9910

DT-9910 Differential (Delta-t) Temperature Controller

- Boiler water temperature control
- Collector/boiler water pump activation
- Collector frost protection



Custom Oriented Controllers

**NEW
PRODUCT**



**ESM-3721
HATCHER CONTROLLER**

Custom Oriented Controllers

**NEW
PRODUCT**

ESM-3721

ESM-3721

Hatcher Controller

- Heating Control Output
- Egg tray rotator Output
- Alarm Control Output
- PID control function



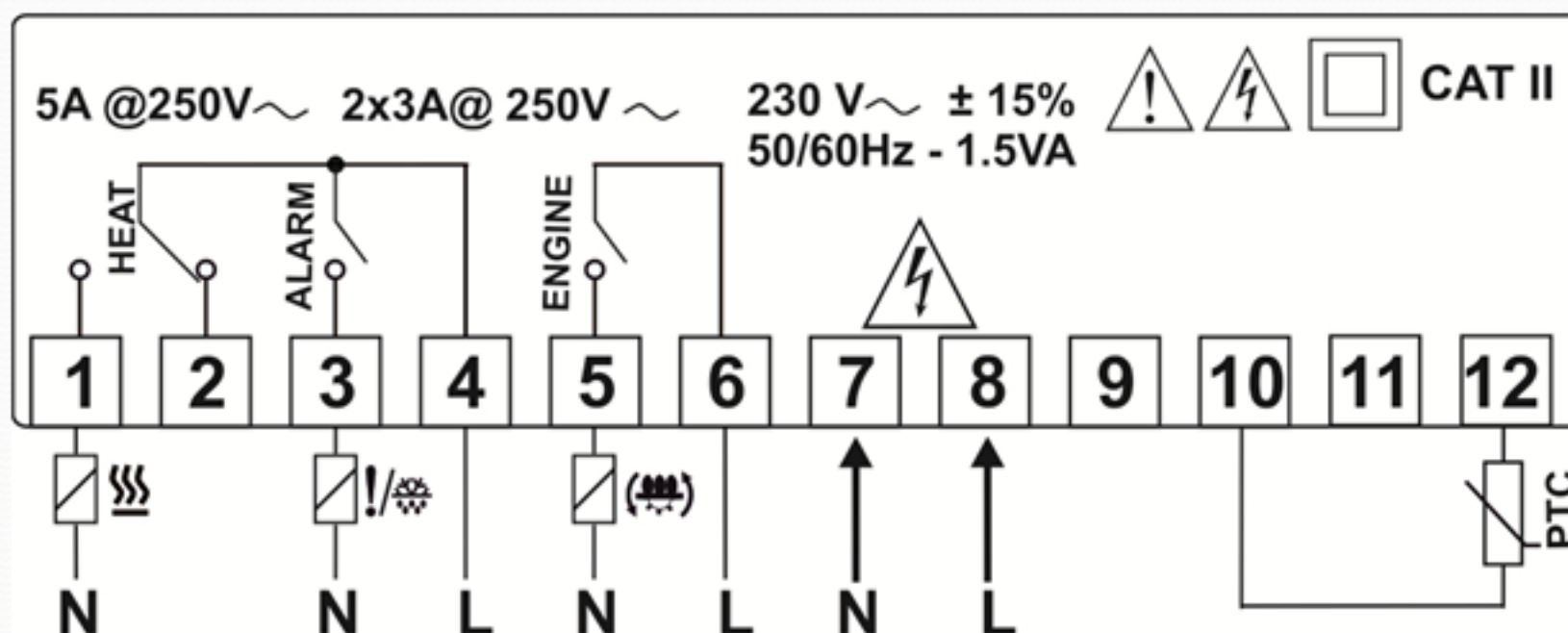
Custom Oriented Controllers

**NEW
PRODUCT**

ESM-3721

ESM-3721

Hatcher Controller



Custom Oriented Controllers

**NEW
PRODUCT**



OPEN
STOP
CLOSED



ESM-xx53

BURNER CONTROLLERS

EMKO

Custom Oriented Controllers

**NEW
PRODUCT**

ESM-XX53

ESM-XX53 Burner/Brulor Controller

- Motorized valve control function
- RS-232 (standard) or RS-485 (optional) serial communication
- Dead band application



Thank You....

