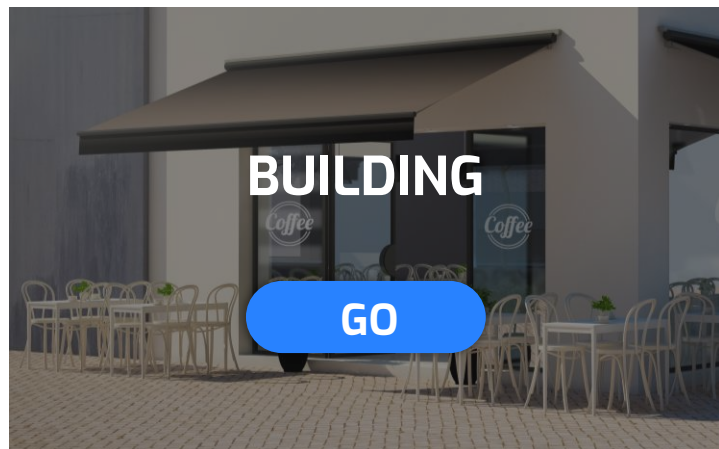




MILLENIUM APPLICATION EXAMPLES





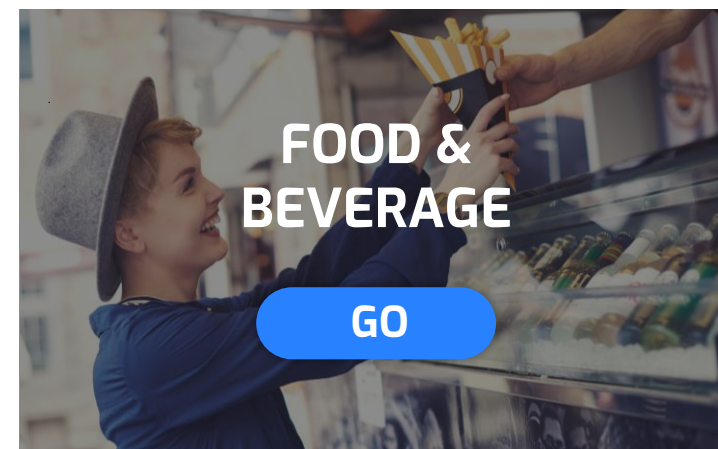
BUILDING

GO



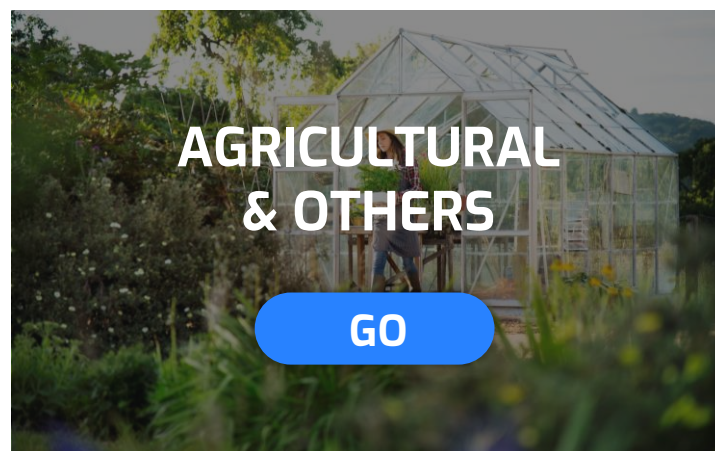
INDUSTRIAL

GO



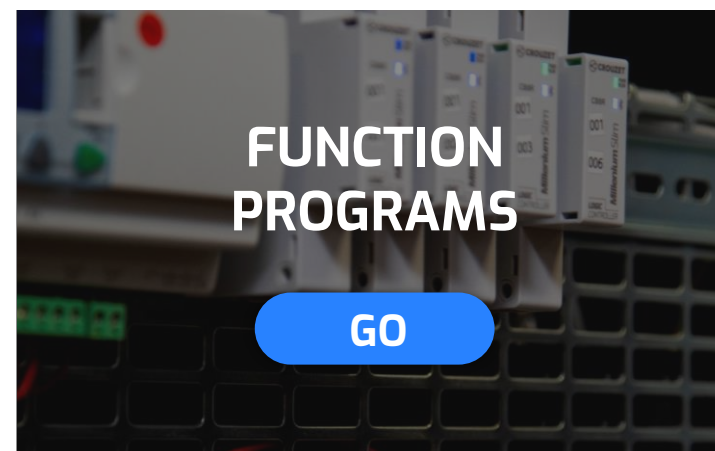
**FOOD &
BEVERAGE**

GO



**AGRICULTURAL
& OTHERS**

GO



**FUNCTION
PROGRAMS**

GO



Building Applications

Unlimited
Application
Possibilities

Test your imagination!



BACK



NEXT

Exterior Lighting



Door and garden lights are switched on at specific times of the day, if someone is in front of the door or manually with a switch.

School Bell



A school bell is switched on for a certain time, at specific hours during the week and at a different time during specific dates or seasons.

Gates / Barriers



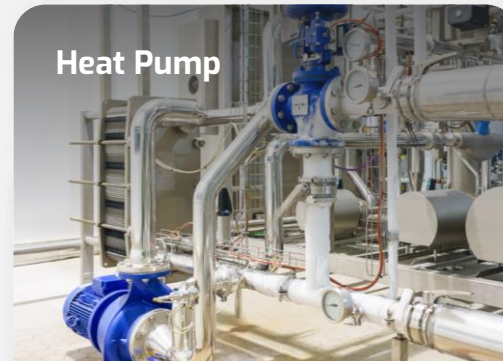
Control access of a building by using an automatic gate or barrier, as well as counting the number of vehicles or people crossing them.

Staircase Lighting



When pressing a button, lights are switched on and a timer is engaged, it will allow to reach the destination before extinguishing the lamps.

Heat Pump



While measuring fluid temperatures, provide control of heating & cooling operation, calendar-based function, frost protection mode and others.

Bathroom Ventilation & Hand Dryer



Ventilation starts when the lighting is ON but continues after shutdown. Hand dryers start if you hit the button and shuts off after 15 seconds.

Building Applications

Unlimited
Application
Possibilities

Test your imagination!



Boiler Sequence

Staging of boilers after indication of a thermostat of the temperature at which the boilers needs to be switched on and off.



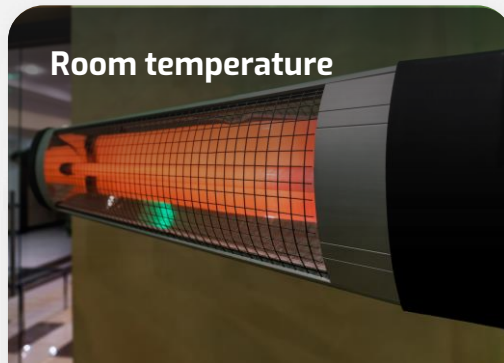
Automatic Shutters

Millenium can be used for simple roller shutter control that requires scheduler and two-button manual control (open / close).



Pools & fountains

Manage circulation pumps for water filling, filtration, as well as monitoring of level, temperature and water conductivity.



Room temperature

Regulate the ambient temperature of a room, that is controlled by a heating resistor in "heat mode" and only by a fan in "cool mode".



Air Curtains

Measure windspeed, as well as temperature with NTC inputs inside and outside, in order to drive the heaters and fans used in air curtains.



HVAC Systems

Staging of compressors or to allow the fans to continue to operate after the thermostat is satisfied, in order to purge the ducts of conditioned air.



Industrial Applications

Unlimited
Application
Possibilities

Test your imagination!



BACK



NEXT



Batch Counting

A conveyor is carrying products to be packed, it needs to stop after a batch of a certain number of products is detected.



Industrial Greaser

An industrial greaser used in a production line will use a lubrication piston with a digital output or a valve with a PWM output.



Maintenance Periods

Different machines in the industry will need to run maintenance after a certain number of hours worked and other parameters.



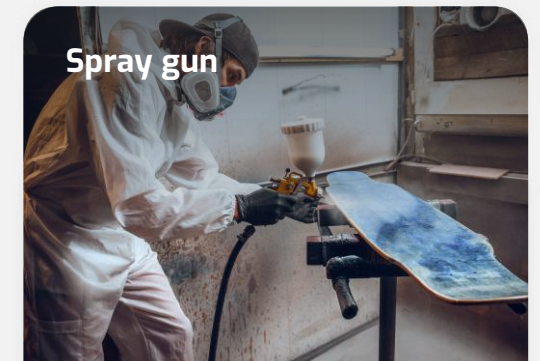
Machines Ventilation

To continue an exhaust fan after the shut down of a machine or to control a solenoid air valve in a fabric dust collector system.



Thread Winding Machine

Control of the positioning solenoid in thread winding machines, permitting operator-adjusted spacing between individual wraps of thread.



Spray gun

Millennium solid-state version can be used to control the repetitive "on" time needed in an industrial spray gun.

Industrial Applications

Unlimited
Application
Possibilities

Test your imagination!



Millenium can be used to control the cycles of 4 successive phases in "on" mode: pre-wash, wash, dry and stand-by.



Millenium can be used in packaging in order to controls cycling in vacuum forming packaging machines.



Millenium Solid-State version can manage the flashing on light signal columns in order to make the lamp blink with equal ON/OFF times.



Monitor the air filter and read the differential pressure to control the back pulsing of the filter to dislodge buildup to ensure proper air safety.



Millenium can be used to control the timing that allows the correct spot gluing depending on the products on the production line.



Millenium solid-state version can be used to control heat sealing times on blister packs, packaging bags, etc.



Food & Beverage Applications

Unlimited
Application
Possibilities

Test your imagination!



BACK

Condiment Dispenser



Millenium can be used to control how much ketchup, mustard or mayonnaise comes out of the dispensing machine.

Food Stand



Millenium can be used to control the temperature in food stands to maintain food warm or cold, by using a temperature sensor.

Store Refrigeration Systems



Staging of refrigeration compressors so refrigerant pressures do not drop in different zones during regulation of temperature.

Ice Cube Makers



Read and control the temperature of the machine, besides managing the duration of refrigeration to produce the ice cubes.

Food Waste Disposers



Millenium can be used to do the driving and turning of the shutters used in food waste disposers and dewatering systems.

Baking Ovens



Millenium solid-state version can be used to control small baking ovens thanks to its PWM outputs for blowers' control.

Agricultural Applications & Others

Unlimited
Application
Possibilities

Test your imagination!



Measure the temperature, lightning & hygrometry of small green houses in order to control the irrigation, window opening and/or ventilation.



Millenium can be used for analysis & control of simple solar panel motorization that do solar tracking on 2 axis.



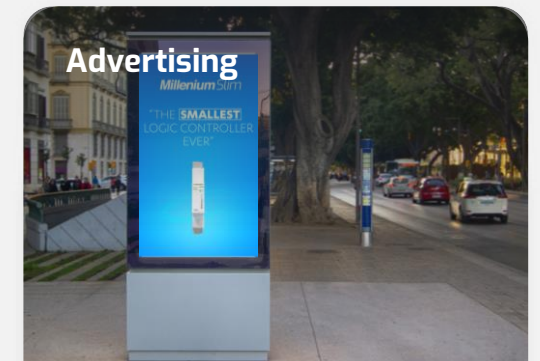
Millenium can be used to control the animals' feeding systems in farms, to provide regular meals at specific schedules.



Control the water pumps, manage watering scheduler & liquid fertilizers and measuring the temperature and ground humidity.



Control the portable pumps that supply the firefighting water, measuring the signal of a level sensor and pressure sensor.



Millenium can be used to control the lighting and time synchronization necessary in advertising panels.