

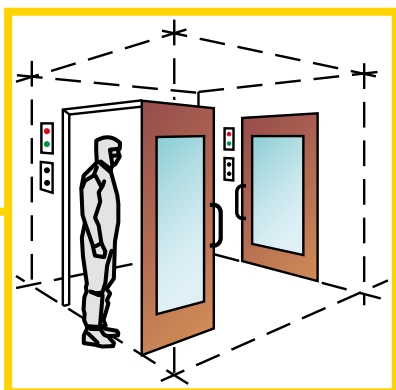
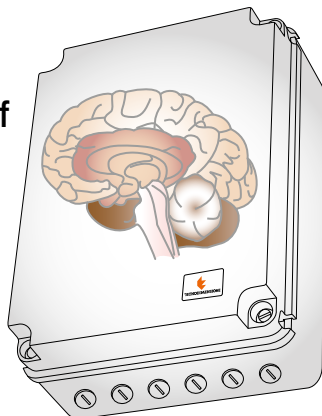
PHARMATRONIX

microprocessor-based

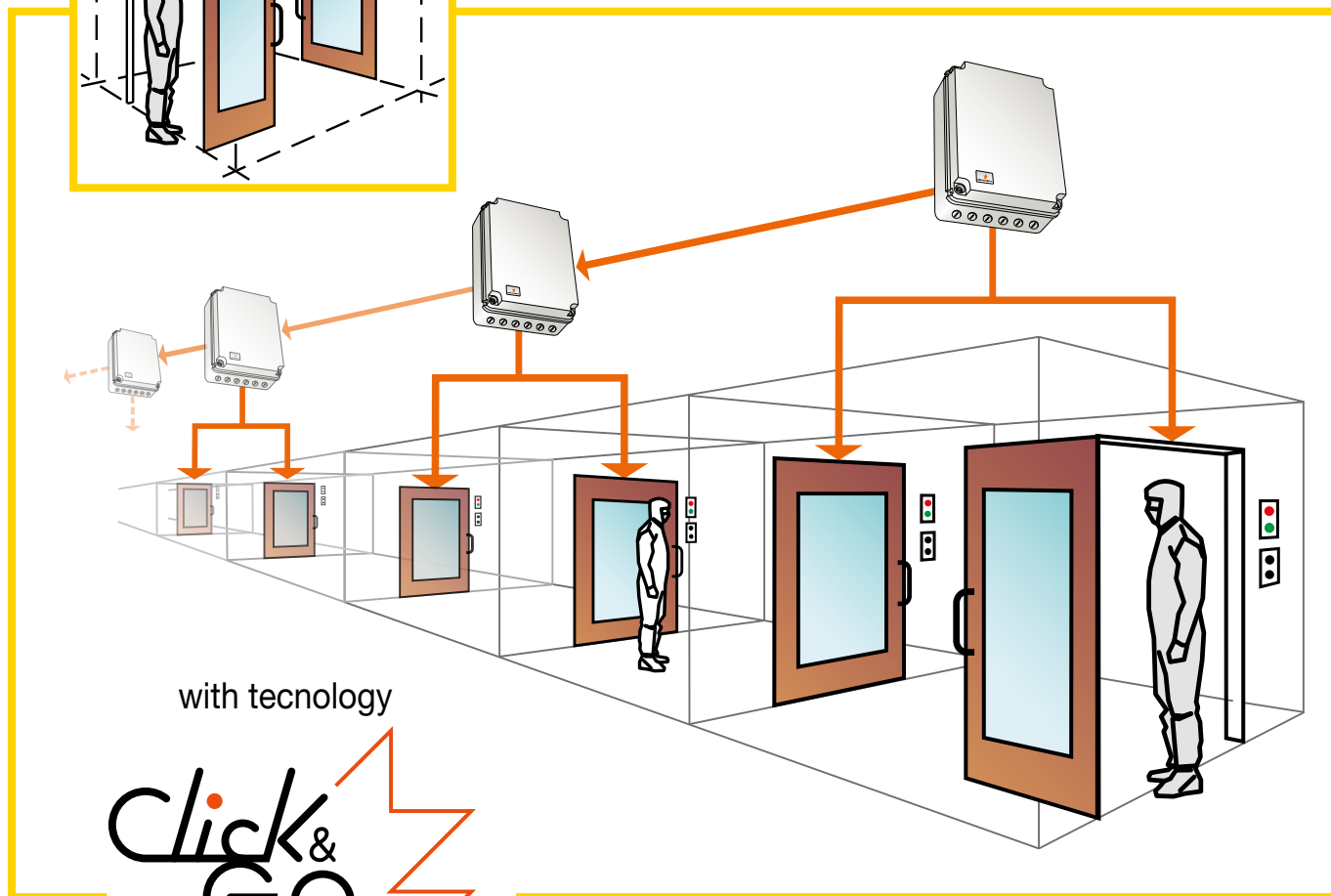
PROFESSIONAL TECNODIMENSIONE CONTROL UNIT

is the brains behind the management of clean room doors

Interlock control units of a two-door system interlocked...



...and in "cascade" for multiple interlocks of 2...4...8...12 doors

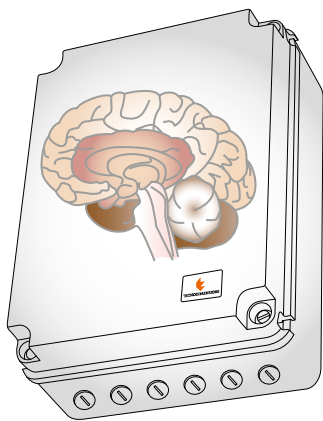


with tecnologia



TECNODIMENSIONE

security with style



Microprocessor-based **PHARMATRONIX** PROFESSIONAL TECNODIMENSIONE CONTROL UNIT

This unit is the “brains” of the system because it hosts all the interlocking logics and drives electric locks, Stop/Go displays and accessories (readers, keypads, etc.). The unit is also able to supply power to the whole system in case of emergency.

One unit...
for **3** different needs.

1st Immediate installation = **Click&Go ZEROTIME**

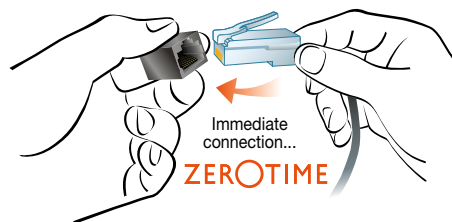
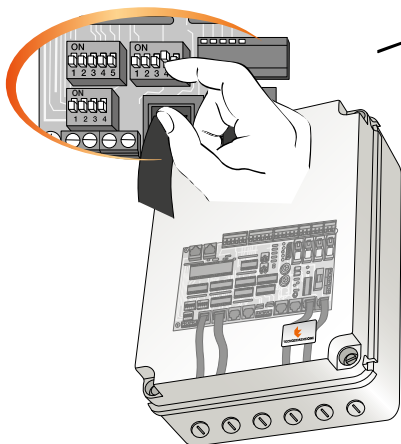
2nd It can be instantly programmed in several modes thanks to the micro DIP-SWITCHES = **MULTISELECT**

3rd It has a modular configuration that can be expanded in “cascade” for multiple interlocks of 2...4...8...12 doors, without limitations = **EXPANDER**

PERFECT FOR THE MANAGEMENT
OF CLEAN ROOMS.



2nd
MULTISELECT



1st **Click&Go**

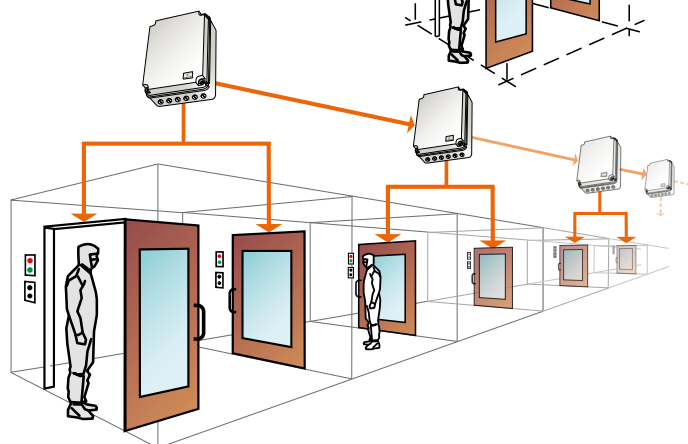
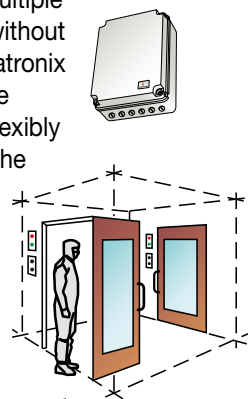
Insert the plug connector... snap it in place... that's all you need for a perfectly working system...

Click&Go!

3rd **EXPANDER**

PHARMATRONIX is designed to allow the configuration in “cascade” of multiple interlocks of 2... 4... 8... 12 doors, without limitations. By connecting a Pharmatronix control unit with two channels to the subsequent ones, it is possible to flexibly set-up a multiple interlock, so that the opening of one door prevents the opening of all or part of the other doors and vice versa...

...it's **EXPANDER!**



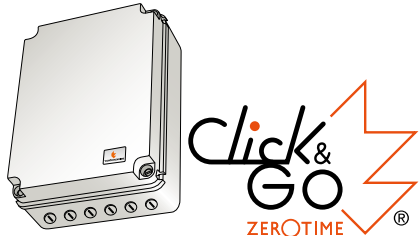
Microprocessor-based **PHARMATRONIX** with two channels

Tecnodimensione systems can be immediately adapted to all plants, depending on their configuration, both during commissioning and after start-up.

As it does not require changes to the control unit or the installation of new connection lines, it is the ideal solution to meet current and future customers' needs. It is in fact sufficient to use the DIP-SWITCHES integrated in the control unit to immediately select or change the default programs for each interlocking logic, configuration and timing.

Pharmatronix can be programmed in several modes because ...

...it's **MULTISELECT!**



MICROPROCESSOR-BASED

PHARMATRONIX

With quick fitting 8 pole RJ45 plug to simplify installation and wiring

Export Product-list
January 2018



TECNODIMENSIONE®

This unit is the “brains” of the system because it hosts all the interlocking logics and drives electric locks, Stop/Go displays and accessories (badge readers, keypads, etc.). The unit is also able to supply power to the whole system in case of emergency.

Ordering information



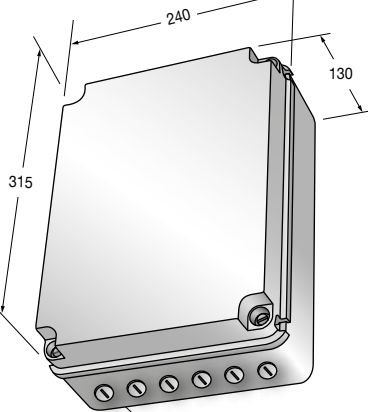
Q.ty

MODELS

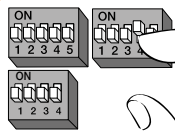
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PHARMATRONIX control unit

designed to be wall mounted and/or placed on false ceilings

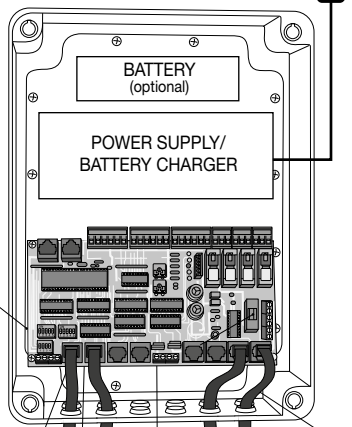


Cable inputs with sealing cable glands, if applicable

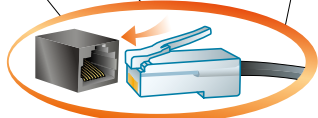


MULTISELECT
micro DIP-SWITCHES
for the immediate
selection of default
programs

230V - 50/60 Hz
mains



RJ45 8-pole female plug
RJ45 8-pole male plug
Microprocessor based mother board
WIREX cable



Immediate connection... **Click&Go**

ZEROTIME

“Multiselect” control unit: multifunctional and programmable in several modes. The “Expander” model, that can be expanded by connecting in cascade 2 or more control units, enables to immediately create multiple interlocks of 2, 4, 6 and 8 doors, without limitations. **It is ideal for “clean rooms”**.

Models for 2 channels (12 VDC power supply)

Microprocessor-based PHARMATRONIX control unit with 2 channels, designed to manage 2 interlocked doors with “Multiselect” logic and to be programmed in several modes. “Expander” model, expandable for multiple interlocks (see section Default programs). With “Click&Go” technology and RJ45 8-pole quick fitting female connecting plugs. Enclosed in an plastic impact-proof cabinet (240 x 315 x 130mm). Supplied with 12 Vdc/1,3A stabilised power supply (no battery charger). For 230 Vac/50 ÷ 60 Hz mains.

034746A221W

Microprocessor based PHARMATRONIX control unit with two channels for the management of two doors. This model has the same characteristics of the one described above, but is supplied with an anti-blackout 12 Vdc/2, 7A power supply and battery charger. For 230 Vac/50 ÷ 60Hz mains.

034746A222W

Models for 2 channels (24 VDC power supply)

Microprocessor based PHARMATRONIX control unit with two channels for the management of two doors. This model has the same characteristics of the one described above, but is supplied with a 24 Vdc/1,5A power supply and battery charger for 230 Vac/50 ÷ 60 Hz mains.

034746A422W

on request

Models for 4 channels (12 VDC power supply)

Microprocessor based PHARMATRONIX control unit for the management of 4 doors. This model has the same characteristics of the one described above, but is supplied enclosed in a “larger” plastic cabinet (380 x 300 x 120 mm) with 2 two-channel mother boards that are already interconnected. Supplied with 12 Vdc/2,7A power supply and battery charger for 230 Vac/50 ÷ 60 Hz mains.

034746A242W

Models for 4 channels (24 VDC power supply)

PHARMATRONIX control unit with 4 channels. This model has the same characteristics of the one described above, but is supplied with a 24 Vdc/1,5A power supply for 230 Vac/50 ÷ 60 Hz mains.

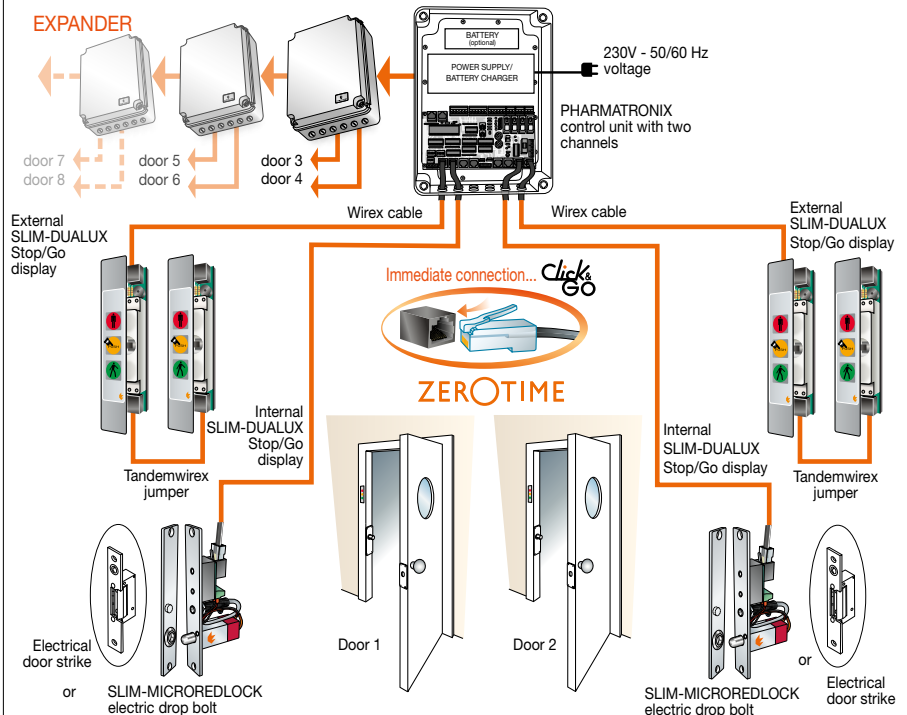
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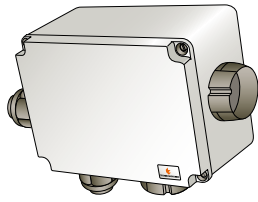
on request

DEFAULT PROGRAMS that can be immediately selected by means of the DIP-SWITCHES:

- Single/bidirectional interlock - “Green”, “red” or mixed “green/red” interlocking logic - Interlocking of doors by “room”, “corridor”, mixed “room/corridor” configuration - Management of pass boxes and decontamination rooms without or with timing (adjustable) - Piloting of solenoid bolts and/or electrical door strikes fail-safe/fail-secure - Control of accesses by means of code entry keypads/badge readers - Emergency release (unlock) of single door and/or the general system - Delayed “timeout” alarm for single door - Immediate alarm for “2 contiguous doors” opened simultaneously - And much more on request.

EXAMPLE OF A TWO-DOOR SYSTEM INTERLOCKED WITH PHARMABLOCK CONTROL UNIT, PERTINENT DEVICES AND WIREX FAST CONNECTING CABLES WITH “CLICK&GO” TECHNOLOGY





UNIT WITH POWER RELAY POWER-DRIVER

With quick fitting 8 pole RJ45 plug to simplify installation and wiring

Export Product-list
January 2018



TECNODIMENSIONE®

This is the actuator unit designed to drive by means of a power control (depending on the logics and timings set by the Pharmatronix management unit) treatment and/or decontamination equipment like UV lamps, fans, etc., in addition to emergency devices like emergency lights, remote signals, etc.

Ordering information

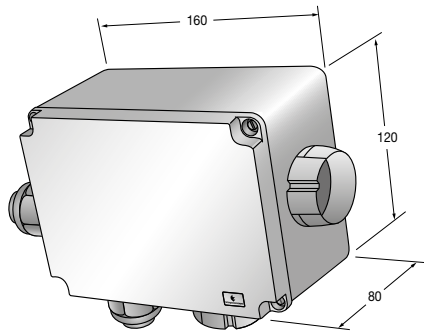


Q.ty

MODELS

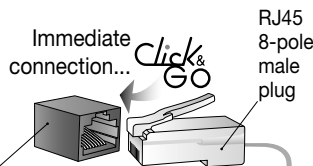
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POWER-DRIVER unit with power relay
for wall-mounting and/or installation on false ceilings



(overall dimensions in mm)

POWER-DRIVER unit
(internal view)

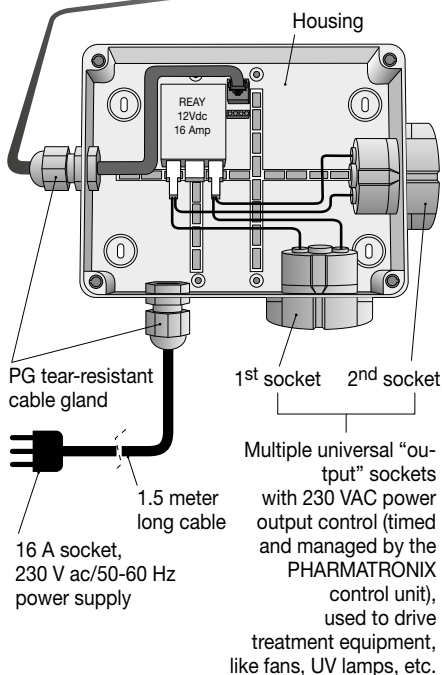


RJ45 8-pole male plug

Immediate connection... *Click&Go*

RJ45 8-pole female plug placed in the Pharmatronix control unit

1 meter long "grey" WIREX cable designed to be directly connected to the Pharmatronix control unit



Control interface with 2 parallel and dedicated outputs, powered at 230 Vac/50-60 Hz, that can be directly connected to the Pharmatronix control unit by means of a Wirex structured cable using the "Click&Go" technology.

Ideal for possboxes in clean room equipment

Model with 2 control outputs

POWER-DRIVER unit with "2 outputs" and 1 power relay with a total capacity of 16 A for 230 Vac power supplies that includes:

- 1 meter "Wirex" cable (grey) with tear-resistant PG cable gland with a quick fitting 8-pole RJ45 end plug that be instantly connected to the PHARMATRONIX management unit using the "Click&Go" technology.
- 1.5 meter long power cable with tear-resistant PG cable gland and a 16 A Euro plug (3 poles with phase/neutral/earth) to directly "input" the power from the 230 Vac/50-60 Hz power supply.

Control output:

- 2 output controls (timed and managed by the PHARMATRONIX unit), powered at 230 Vac/50-60 Hz, in parallel and dedicated configuration, for a total load of 16 A (that has to be divided between the 2 output sockets). These controls are made available by means of 2 universal female "output" sockets (for Schuco / USA / Euro at 16 A and/or 10 A) designed to be used with any power plug present on the equipment being driven (treatment plants, fans, UV lamps, etc.).

Compact design in plastic shock proof box (dimensions 160x120x80 mm), for wall-mounting and/or installation on false ceiling.

034746R

POWER-DRIVER with the same characteristics of the model above, but with "3 outputs", that is 3 parallel and dedicated power controls powered at 230 Vac/50-60 Hz, with a capacity of 16 A to be divided among the 3 corresponding outputs that represent universal female sockets.

034746R3

The POWER-DRIVER unit has a compact design as it is specifically enclosed in a box to prevent any direct contact with the internal power circuits. Even the terminals used for external connections are fitted with universal connecting sockets that comply with insulation standards to protect the plant installer from coming into contact with the power line during installation, use and maintenance.

EXAMPLE OF INSTANTANEOUS WIREX CONNECTION BETWEEN THE POWER DRIVER UNIT AND THE PHARMATRONIX CONTROL UNIT AND RELATED DEVICES

