

# REV600

[ Management of controls in an automatic system

## USE

The REV 600 was designed to control an automatic powder or liquid electrostatic system. It controls:

- the operation of one or 2 reciprocator(s) RFV 2000
- the triggering of the guns
- the interfacing with the I/O's of the system.

The spray parameters, with its PLC:

- reciprocating motion: 1 to 3 zones, in which one may select the direction reversal points and the speed change points.
- speed adjustable per zone from 0 to 60 m/min
- trigger points for up to 6 guns per recip.
- possibility to enter 10 spray programs for production batching

The REV 600 interfaces with the system to manage:

- parts detection (presence of parts)
- external faults detection
- correct operation of the booth (conveyor and ventilation)
- faults: warning and external output authorizing a start up (ex: conveyor)
- delay-timers, to spray spaced batches of parts, or parts needing to be coated by 2 recips, or for guns installed over a maximum of 3 different planes in space.

## CUSTOMER'S BENEFITS

The REV 600 controller provides the operator with a simple-to-use tool to run his system:

- Operator friendly: programming is simple and instructive (displays all functions commands with easy to read icons)
- Extremely reliable: managed through a PLC
- Easy to run: surfing through the menus is made even simpler by the ease of programming
- Saves time: easy entering of the recip's top and low reversal points. During production, one may go from one of the spray programs to the other without interruption of the spraying.
- Ergonomic: the touch-screen permits easy and instant entering of parameters.



## TECHNICAL CHARACTERISTICS

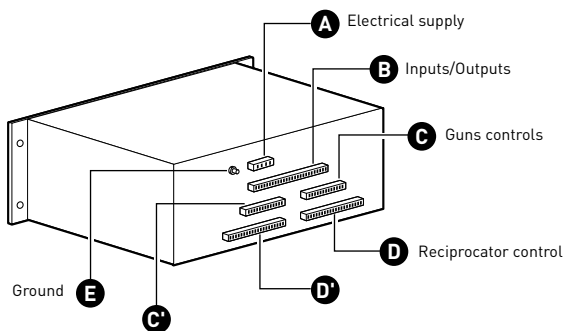
REV 600 incorporates the whole scope of functions of a painting machine:

- 2 reciprocators
- 3 distinct spray areas / reciprocator
- 6 independent triggers / reciprocator
- 10 parts batches / reciprocator

The standard 19" dimensions of the REV 600 make it rackable, to be incorporated in a "CGR 200" enclosure or similar and so to associate it with the other exclusive SAMES guns control modules. A REV 600 box version is also available.

Offering the following features, REV 600 is easy to interface with any industrial system.

- Guns triggering can be automated by adjunction of a parts detection system (sensors or photo-cells)
- List of I/O's
- emergency stop (E-stop) inlet
- external faults inlet
- ventilation "on" inlet
- conveyor "on" inlet
- external faults outlet
- "yes" conveyor outlet



### Power requirements

Voltage: 230 V, single or 3-phase  
 Input frequency: 47-63 Hz  
 Input current: 16 A  
 API supply: 24V

### Sizes

Weight: 11.2 Kg  
 Height: 4U  
 Width: 19"

### Protection rating

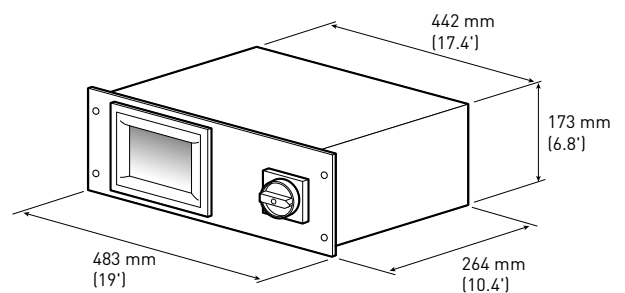
Rack version  
 IP 65 (front plate), IP 20 (back plate)  
 Stand alone box version: IP 54

### Screen

5,6" screen with back-lighting  
 Resistive analog touch-screen, for fingers, soft objects, or gloves.

### Operating environment

Temp. (ambient): < 45° C (110 F)  
 Humidity (ambient): < 85% without condensation  
 Zone: Non explosive



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