Hydraulics

The REP-100PTO Input frequency control has been devised to control proportional valves with a sole open-loop solenoid i.e. valves that have no internal positioning transducer. The REP100 is a microcontroller device whose "DIGITAL" technology enables any type and make of proportional valve between 10 and 30 VDC and 0 and 2500mA to be controlled. The current and the ramps are regulated by GAMMA1.32 SUITE software or a PES93C46 palmtop regulator. The regulator is integrated into a box with an omega bar fitting

Product Code F00137

The REP-100EMC control has been devised to control proportional valves with a sole open-loop solenoid i.e. valves that have no internal positioning transducer. The REP100 is a microcontroller device whose "DIGITAL" technology enables any type and make of proportional valve between 10 and 30 VDC and 0 and 2500mA to be controlled. The current and the ramps are regulated by GAMMA1.32 SUITE software or a PES93C46 palmtop regulator. The regulator is integrated into a box with an omega bar fitting

Product Code F00204

The REP-200EMC control has been devised to control proportional valves with a double open-loop solenoid, i.e. valves that have no internal positioning transducer. The REP 200 is a microcontroller device whose "DIGITAL" technology enables any type and make of proportional valve between 10 and 30 VDC and 0 and 2500mA to be controlled. The current and the ramps are regulated by GAMMA1.32 SUITE software or a PES93C46 palmtop regulator. The regulator is integrated into a box with an omega bar fitting

Product Code F00170

The REP-100EMC-SA control has been devised to control proportional valves with one open-loop solenoid, i.e. valves that have no internal positioning transducer. The REP100 is a microcontroller device whose "DIGITAL" technology enables any type and make of proportional valve between 10 and 30 VDC and 0 and 2500mA to be controlled. The current and the ramps are regulated by GAMMA1.32 SUITE software or a PES93C46 palmtop regulator. The regulator is integrated into a metal box with protection degree IP67

Product Code F00199

The REP-200EMC-SA control has been devised to control proportional valves with one open-loop solenoid, i.e. valves that have no internal positioning transducer. The REP200 is a microcontroller device whose "DIGITAL" technology enables any type and make of proportional valve between 10 and 30 VDC and 0 and 2500mA to be controlled. The current and the ramps are regulated by GAMMA1.32 SUITE software or a PES93C46 palmtop regulator. The regulator is integrated into a metal box with protection degree IP67

Product Code F00200

The GAMMA1.32 SUITE software is a system for programming and acquiring data that applies to the products of the Rep, Liv and Sir families. It is integrated onto a NATIONAL INSTRUMENT LABVIEW platform and enables the variable data of the indicated products to be modified

Product Code F00177
The serial palmtop programmer 93C46 (PES93C46) is used to modify the data in the digital systems for controlling the proportional valves REP 100, REP 200 and JSK4A0-5V

Product Code F00093

The DIN-100 control has been devised to control proportional valves with one open-loop solenoid, i.e. valves that have no internal positioning transducer. The regulator is integrated into a DIN 43650 box that is fitted directly on the valve

Product Code F00168

The thermostat with motor startup measures the temperature and starts up a direct-current solenoid valve, limiting its peak current by means of gradual startup

Product Code F00163

The 10-pole interface module card is used in applications that require two actuators to be controlled simultaneously, such as in hydraulic blocks when the movement valve has to be controlled with the oil draw-down (or discharge). It is possible to control 10 movement valves and 1 discharge valve (in common)

Product Code F00041/MM spring clamp
Product Code F00041/MV screw clamps
Product Code F00041 without clamps

The platform self-levelling device with 4 stabilisers automatically lowers the hydraulic stabilisers of a carriage to ensure that the platform is supported and horizontal

Product Code F00186

Automatic Levelling for Overhead Platforms and Hydraulic Systems proportionally levels the hydraulic cylinder of the gondola of the overhead platforms (extendible bridges) during raising and lowering operations

Product Code F00200-XXX-XXX

Hydraulics
The In/Out voltage and current adapter is used in all cases in which 2 pieces of equipment with different output voltage and currents have to be interfaced.

**Product Code**
- F00156/010 IN 0-10 OUT adapter for PVG Danfoss valves
- F00156/005 IN 0-5 OUT adapter for PVG Danfoss valves
- F00173 IN 24VDC Out 6/18 VDC adapter for PVG 32 Danfoss valves
- F00175 IN 6/18VDC Out 6/18 VDC 1A adapter for PVG 32 Danfoss valves
- F00191 Adapter for positioning 12V actuator

The In/Out voltage and current adapter is a product used in all cases in which 2 pieces of equipment with different output voltage and currents have to be interfaced.

**Product Code** F00156/505 IN 5-0-5 OUT adapter for PVG Danfoss valve

MDC-202 contact maintenance card

**Product Code** F00187

The “LIV-200” device secures agricultural and operating machines against the risk of overturning whilst moving along excessively uneven/steep terrain by automatically levelling the plane on the x axis.

**Product Code** F00193

The “LIV-200” Plus device secures agricultural and operating machines against the risk of overturning whilst moving along excessively uneven/steep terrain by automatically levelling the plane on two x axes with 8 digital inputs and enables angular speed to be calculated for better precision.

**Product Code** F00196

The “LIV-400” device secures agricultural and operating machines against the risk of overturning whilst moving along excessively uneven/steep terrain by automatically levelling the plane on the two x and y axes.

**Product Code** F00194
ID1 Single switch cylindrical handles, ID1 series

Product Code FXXXX

ID2 Multiple switch cylindrical handles, ID2 series

Product Code FXXXX

IEM-xxx Multifunctional easy-grip handles

Product Code F00182

EO-0901 "On-Off" electronic joysticks, JEO series
JEP Proportional Electronic Joystick

Product Code FXXXX

JOY-100-10 Hall-effect single-axis joystick with central zero

Product Code F00158-100

JOY-110-10 Hall-effect single-axis joystick with lateral zero

Product Code F00159-110

K2C0006 kit consisting of flange, spacer and protective bellows

Product Code F00177
Remote Control & Radio Control

TCM2J4PL2PQ Remote control, 2 joysticks, 4 pushbuttons with resettable emergency function for controlling 8 valves

**Product Code F00192**

TCM12UE Remote control, 12 switches + emergency switch with multipolar cable

**Product Code F00181**

The TRX12 radio control is a 12-channel device that enables digital signals to be transmitted when a switch is pressed on the 433.92 Mhz frequency. Each remote control is provided with an emergency switch that protects all the system in the event of malfunction or danger

**Product Code F00179**

This is a control unit that receives the frequency modulation digital signals on the 433.92Mhz band that are transmitted via radio by the TRX12UE transmitter, with which they can separately control 12 channels with 6A relay outlets. Each reception card contains a receiver module and a switch that encodes the single cards so as to prevent the signals of two neighbouring positions overlapping

**Product Code F00180**

The KSJB-xxx-xxx joystick servo control kit with rest is a system for the remote control of all removable hydraulic equipment such as trimmer arms, arms for cutting vines, excavator arms, and pallet forks

**Product Code F00165-XXX**

The Mini Armrest BP612 was created to drive 6 proportional valves and 12 ON/OFF valves having an open loop (these valves don't have the transducer of inside position). The regulator is integrated in a palmar ergonomic box, to be set directly in to the armrest of the vehicle or to be held on the hand. It can be used in any application where a remote control is requested like hedge trimmer jibs, jibs for the cutting of the vine, excavator jibs, pallet forks

**Product Code F00206**
Safety Systems

The "SSR-200" device secures agricultural and operating machines against the risk of overturning whilst moving along excessively uneven/steep terrain. In addition, even if the machine does overturn, it automatically cuts out the machine functions, thus limiting the dangers arising from the overturned machine.

**Product Code F00176**

The "SSR-200 PLUS" device secures agricultural and operating machines against the risk of overturning whilst moving along excessively uneven/steep terrain. In addition, even if the machine does overturn, it automatically cuts out the machine functions by means of 8 digital inputs and enables angular speed to be calculated for greater precision.

**Product Code F00195**

The resettable emergency fuse box meets the requirement of Machinery Directive 2006/42/CE article 1.2.4.2 and article 1.2.4.3 relating to equipment commanded directly or via switches. The emergency fuse box is located on the power line of the control device (joystick or switch box) and acts as a circuit breaker that cuts out the power supply to the device.

**Vers.12v Product Code F00184**
**Vers.24v Product Code F00185**

The "Control View" instrument series is equipped with a 7" Color TFT LCD glare screen, with 800x480 pixel resolution, scratch resistant, able to grant maximum performances in low light conditions.

**Product Code F00208**
Unify Electronic
Design and Engineering
Electronic Equipment

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