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**INSTRUCTION MANUAL FOR PNEUMATIC-SWITCH GROUP  
“VERSA” FOR SERIES 1020**

**1. WARNINGS**

- 1.1 NEVER leaves the case without its cover for more than the time absolutely necessary for the inspection;
- 1.2 Make sure that the air outlet on the enclosure is not clogged by dirt due to handling and installation.
- 1.3 NEVER use the level switch with supply pressure in excess of those indicated on the plate;

**2. ROUTINE INSPECTION OF THE PNEUMATIC SWITCH**

- 2.1 We recommend inspecting the switch on a routine basis (every 6 months or so) to guarantee full efficiency.
- 2.2 Manually move the counterweight ‘10’ and check that the micro-switch trips properly.

**3. ADJUSTING THE TRIPPING POINT**

- 3.1 The switch group is factory-set during calibration and subsequent controls in order to operate with liquid having a specific gravity as shown in the specification. As a rule, its original position shall not be changed

**4. INSTALLATION**

- 4.1 The instrument shall be mounted **ALWAYS** with the vent ‘7’ oriented to the bottom.

**5. REPLACING THE UNIT AND/OR PNEUMATIC-SWITCH**

- 5.1 In order to replace the slide valve, carry out the following operations:
  - a) verify that air supply is closed
  - b) disconnect the tubes from the pneumatic-switch (make a note of the original connections) and remove the switch unit by loosening the vent plug ‘7’ and then the fixing screw ‘8’;
  - d) replace the switch assembly ‘1’;
  - e) check that the pneumatic-switch (2) works efficiently, few manual tripping checks;
  - f) reconnect the tubes to the pneumatic-switch as per point ‘b’

**6. DISPOSAL**

Once the instrument have reached the end of their working life, they should be sent for disposal in accordance with prevailing regulations.

During their disposal, pay special attention to the polymers, resins and rubber used in their construction (PVC, PTFE, PP, PVDF, neoprene, viton etc.).

Metal components may be recycled after removing the gaskets, special coverings as requested by the customer or other plastic materials.



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(1-\*) PARTI DI RICAMBIO CONSIGLIATE  
(\*) RECOMMENDED SPARE PART LIST

6	GRAND BLOCCAGGIO COPERCHIO CLAMPING COVER SCREW	10	CONTRAPPESO COUNTERWEIGHT
5(*)	GUARNIZIONE GASKET	9	VITE DI REGOLAZIONE REGULATION SCREW
4	BASE CUSTODIA HOUSING BASE	8	VITE DI FISSAGGIO GRUPPO INT. FIXING SCREW SWITCH GROUP
3	COPERCHIO CUSTODIA COVER HOUSING	7	TAPPO SFIATO 1/4" NPT VENT PLUG 1/4" NPT
2(*)	CASSETTO DI DISTRIBUZIONE PNEUMATIC SWITCH	POS.	DENOMINAZIONE DENOMINATION
1(*)	GRUPPO INTERRUTTORE SWITCH ASSEMBLY	POS.	DENOMINAZIONE DENOMINATION

CONNECTIONS  
Ø11,4" NPT-F

PNEUMATIC CONNECTIONS  
3 WAY VALVE

NO	NC	Entrata Inlet	Scarico Exhaust
A	Scarico Exhaust	Entrata Inlet	
B	Entrata Inlet	Scarico Exhaust	
C	Uscita Outlet	Uscita Outlet	

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ISTRUCTION MANUAL SEE "IST-174"

DENOMINATION  
GRUPPO INTERRUTTORE PNEUMATICO "VERSA"  
PER SERIE 1020  
PNEUMATIC ASSEMBLY SWITCH "VERSA"  
FOR SERIES 1020

SCALA GEN. TOLERANCE  
±5 DIMENSIONS mm

REV. DATE CERTIFIED BY  
2 04.06.12

DOC. REF.: 1020PN-013

OFFICINE OROBICHE S.p.A.

(\*) SPAZIO NECESSARIO X SMONTAGGIO CUSTODIA  
(\*) NECESSARY SPACE FOR DISASSEMBLING COVER HOUSING