



+SMART ONE

Control and Automation

+SMART is a system that allows the control, monitoring and management of machine parts or whole machines thanks to the integration of a PLC (CODESYS).

Main features:

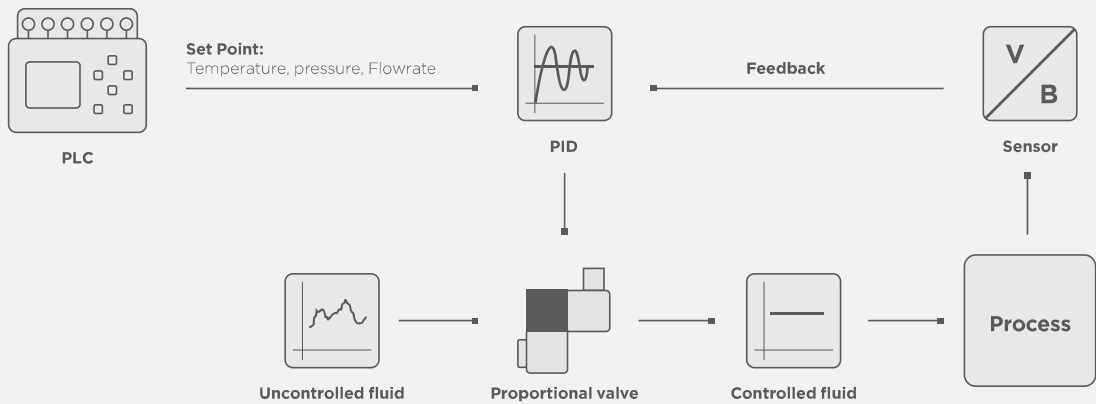
- **n.3 digital I/O**, to manage auxiliary inputs coming from the field and activate devices or sequences of the machine,
- **n.4 analog inputs** to process any measuring device,
- **n. 1 PWM output** to control the solenoid valve coil standard or proportional type.
- **an integrated Wi-Fi system** that allows to collect data through a cloud platform and provide remote support and predictive maintenance.



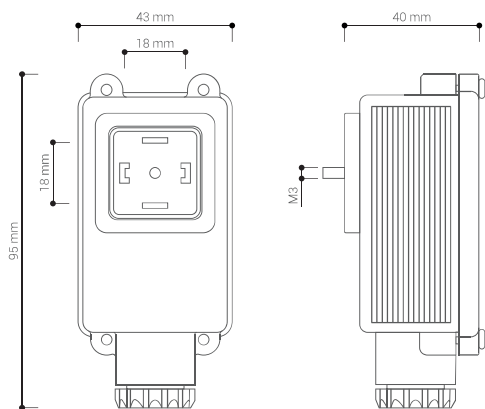
TECHNICAL DATA

HARDWARE ARCHITECTURE	ARM® CORTEX™ - M4 PROCESSOR
WI-FI	IEEE 802.11 b/g/n -2.4 GHz SECURITY WPA/WPA2, ENCRYPTION WEP/TKIP/AESWEP, (UFL CONNNECTOR AVAILABLE)
VOLTAGE INPUT	24 VDC (+10% - 5%) (5A MAX)
DIGITAL OUTPUTS	n.3 OPEN COLLECTORS (MAX 3 A) n.1 PWM FOR COIL OPERATION
DIGITAL INPUTS	n.3 INPUTS (24 VDC)
ANALOG INPUTS	n.4 INPUTS (n.2 - 0..10VDC) / (n.2 - 4..20mA), 12bit
USB	N.1 USB 2.0
HOUSING	NYLON PA66
HOUSING GASKET	SILICON
PROTECTION CLASS	IP 67
CASE INSTALLATION	EN 175301-803 (EX DIN 43650/A), 2P+E, IP 67
CABLE	MULTIPOLAR - LENGTH 1m (PVC) OTHER LENGTH AND MATERIAL AVAILABLE
ENVIRONMENT	OPERATING: -10.. 50°C (14 ... 122°F) STORAGE: -25.. 70°C (13 ... 158°F)
APPROVALS	CE, EMC, RED
WEIGHT	APPROX. 80g (WITHOUT CABLE)

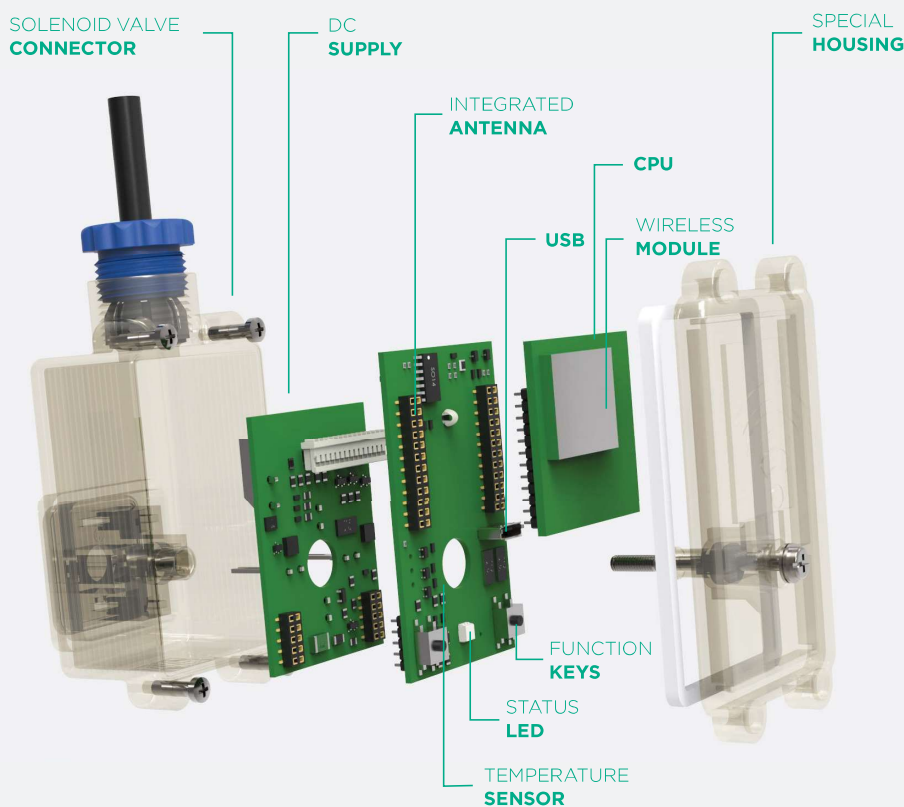
APPLICATION SCHEME



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I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
PS	024	D	2	2	03	03	C	100	A	000	0

I. PLUS SMART

II. SUPPLY VOLTAGE

024 - 24V
230 - 230V

III. VOLTAGE TYPE

D - DC
A - AC

IV. NUMBER OF INPUTS 4-20MA

2 - 2

V. NUMBER OF INPUTS 0-10V

2 - 2

VI. NUMBER OF DIGITAL INPUTS

03 - 3 INPUT

VII. NUMBER OF DIGITAL OUTPUTS

03 - 3 OUTPUT

VIII. SW TYPE AND/OR LICENSE

A - ONLY HW
B - FIRMWARE
C - RUN TIME CODESYS

IX. CONNECTION TYPE / CABLE LENGTH

100 - cable 100 cm
200 - cable 200 cm

X. ANTENNA

A - internal
B - external

XI. DIGITS FOR FUTURE ENCODINGS

XII. BRAND

CODIFICATION