

VAPO - SWITCH

- Switch over functions based on regular intervals of time, anticipated in case of malfunction or low temperature alarms referred to two preconfigured plants settings:

-Plant 1: Two Ambient Vaporizers

-Plant 2: H₂O vaporizer + two backup Ambient Vaporizers

- Local and remote monitoring for line temperatures, output pressure, valves status and alarms with associated ID
- Wide display of 4 lines x 20 characters with LED backlight
- Yellow and red alarm lights for High and Low priority alarm status
- Acoustic alarm signal with acknowledge pushbutton (Alarm ACK)
- Alarm recovery time adjustable from 1 to 99 minutes
- Programming by encoder on the front panel
- Visual indication of valves status on front panel
- Auxiliary output switches for external cumulative alarm indicator or hooters
- 4 integrated pilot solenoid valves
- System restart by pushbutton on front panel
- Proprietary network protocol CRIONet
- Remote monitoring through CrioSystemSupervisor platform (MOD-COM modem required)

Typical applications:

-Monitoring and control unit of vaporizers for cryogenic gases



Logic control and local/remote monitoring unit for vaporizers connected to cryogenic tanks

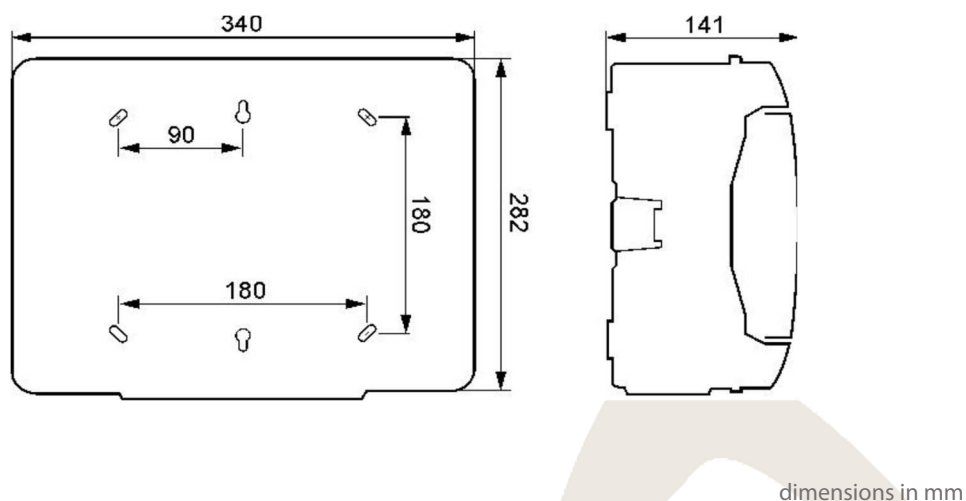
**PROCESS CONTROL/
REMOTE MONITORING**

TECHNICAL SPECIFICATIONS

Power supply	110-230 Vac 50/60 Hz., P max. 25 VA, fuse 0.5 A
Visual indication	Display 4 lines x 20 characters, backlight Low priority alarm: Ø 20 mm, yellow High priority alarm: Ø 20 mm, high efficiency, red Fail: Ø 5 mm, red Communication: Ø 5 mm, yellow
Alarm sound	Magnetic speaker, volume adjust up to 95dB @ 1 m
Inputs	4 analog inputs 4-20 mA: -Compatibility: two / three wire 4-20 mA transmitters -Maximum voltage (open circuit): 24 Vdc -Minimum voltage 16 Vdc @ I = 20 mA: -Short circuit current: 25 mA -Resolution: 10 bit

	10 digital inputs: -Compatibility: switch sensors -Maximum voltage: 15 Vdc -Maximum current: 15 mA
Auxiliary output switches	2 contacts Vmax= 250 Vdc/Vac, I _{max} = 100 mA, N.C. or N.O. operations
Pneumatic inputs/outputs	Max. input pressure 8bar, connections ¼"G
Housing	ABS white for wall mounting, dim. 340x282x141 mm, waterproof degree IP56
Local network interface	Proprietary protocol CRIONet on insulated bidirectional RS485
Weight	5 kg
Operating Temperature	0...65°C
Reference standards and directives	2014/30/EU EMC, 2014/35/EU LVD, RoHs 2011/65/UE

DIMENSIONS



dimensions in mm

PRODUCT CODES

CODE	DESCRIPTION
0001-25-001	Vapo-Switch: Logic control and local/remote monitoring unit for vaporizers connected to cryogenic tanks