



SpeedDome® Ultra

PRESSURIZED OUTDOOR DOME HOUSING



FEATURES

- Durable engineered plastic top, UV protected
- IP67, NEMA 4x rated
- Pressurized to 5 psi
- Schrader valve
- Pressure relief valve
- Pendant, wall and corner mount available
- Heater and blower standard
- Low pressure alarm

The SpeedDome Ultra pressurized outdoor housing allows the SpeedDome Ultra dome to be installed in virtually any hostile environment. The housing is pressurized, temperature controlled and weatherproof, protecting the dome from a wide range of outside elements such as moisture, dust and temperature fluctuations. In extreme temperatures, the housing's built-in thermostat and heater prevents ice from forming on the outside bubble. The bubble assembly is affixed to the top via nine screws.

Simply plug in the video cable, connect power and data, and install any SpeedDome Ultra. Diagnostic power and communications LEDs confirm proper connection and aid in troubleshooting. A choice of wall, pendant or corner mounts accommodate the housing, making it easy to install. The housing is equipped with surge protection provided to all video and external lines. The housing is supplied with a choice of either clear or smoked bubble.

SPECIFICATIONS

Model Numbers

RHODULP-01	Pressure Housing with Integrated I/O Board and Clear Bubble (f0)
RHODULP-02	Housing with Integrated I/O Board and Smoked Bubble (f1.0)

Electrical

Voltage	24-28 VAC
Power	52 watts
Power-On In-Rush Current	2.5 A
Surge Protection	
Video	Series resistor of 3.9 Ω ; low-capacitance Zener suppressor of 6.5 V, 1500 watts, 500 watts, 8/20 μ sec impulse, 500 watts, 10 kA impulse rated gas tube
Manchester/SensorNet	Isolation transformer coupled, 2000 Vrms; PTC resettable fuse protects transformer; TVS rated at 5.6 V, 40 A, 0.1 joules, 8/20 μ sec impulse, 500 watts, 10 kA impulse rated gas tube
RS-422	Series resistors of 33 Ω ; TVS rated at 5.6 V, 40 A, 0.1 joules, 8/20 μ sec impulse, 500 watts, 10 kA impulse rated gas tube
Power Line	TVS rated at 60 V, 250 A, 1.5 joules, 8/20 μ sec impulse, 500 watts, 10 kA impulse rated gas tube

Mechanical

Construction	
Enclosure	Aluminum
Color	White
Height	325 mm (12.8 in)
Diameter	409 mm (16.1 in)
Weight	3.63 kg (8.0 lbs)
Bubble	Acrylic

Maximum Distances From Power Source

Dome and housing to be connected to a Class 2 LPS, 24 VAC, 80 VA power source (do not exceed maximum outdoor Class 2 ratings of 30 VAC, 100 VA).

Connectors (on integrated I/O board)

Manchester/SensorNet	Two-position 3.5 mm Euro-style terminal block
RS-422	Four-position 3.5 mm Euro-style terminal block
Video Output	Female BNC
I/O Connector	Spring contact gold fingers for mate with SpeedDome Ultra housing/eyeball assemblies
Alarm	Low pressure alarm pre-wired (alarm inputs 2-4 are not used)

Environmental

Weatherproof Standard	NEMA 4X/IP67
Temperature	
Operating	-40° to 50° C (-40° to 122° F)
Humidity	0 to 95% RH (non-condensing)
Storage	-10° to 50° C (14° to 122° F)

Regulatory

Emissions	FCC: 47 CFR Part 15, Subpart B Class A CE: EN55022 Class B CE: EN6100-6-1 ICES-003
Immunity	CE: EN50130-4
Safety	UL: UL2044 CE: EN60950

Accessories

WM20G	Aluminum gooseneck wall mount bracket for RHODULP pressurized housings
ACA2	Aluminum corner mount bracket for RHODULP pressurized housings, to be used in conjunction with WM20G
APM3	Aluminum pole mount bracket for RHODULP pressurized housings, to be used in conjunction with WM20G
RHONKIT*	Nitrogen recharge kit with hose, regulator and tank. Tank holds sufficient gas for three housings
RHONTANK*	Nitrogen tank for use with RHONKIT or equivalent. Tank holds sufficient gas for three housings
RHONREG	Hose and regulator kit for RHONTANK or equivalent. For use when gas is to be sourced locally

* Please check with your salesperson for recharge kit availability in your geographic region.

Note: For proper performance, the dome housing must be pressurized using 99.998% dry nitrogen.