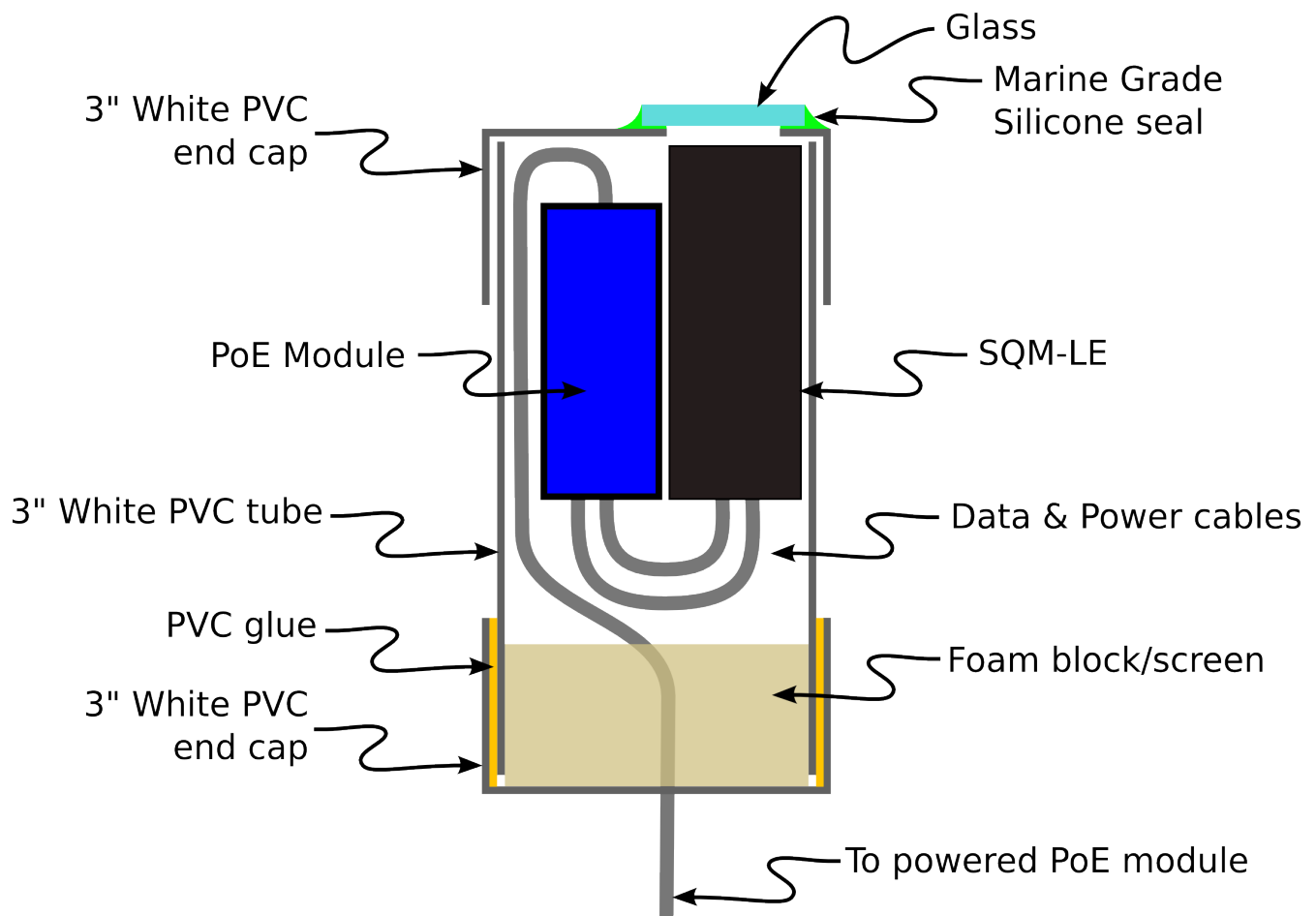


SQM-LE Weatherproof Housing Assembly instructions

Features

- White surfaces reflect the hot summer sunshine.
- Opening on bottom to allow moisture to escape.
- Glass top to prevent scratching when removing ice.
- Raised glass surface to prevent dirt and leaves from collecting.
- Small glass opening to keep sunlight from entering unwanted areas.
- Cable opening at bottom sealed with open cell (breathable) foam prevents insects from entering.
- Marine silicone seal rated for outdoor use.
- Silicone seal around glass extends beyond glass-plastic interface to prevent ice from building in crevices.
- Hose clamps for easy mounting to pole.



Assembly Instructions

Tube

- 3" diameter 7" long white PVC tube.
- Shave ends smoothly so that the caps fit in place

Bottom cap

- Drill 7/8" hole saw into bottom cap for Ethernet cable with connector to fit through .
- Set drill at lowest speed, about 570RPM so that plastic is kept cool and does not melt into drill/blade , and beware of initial grabbing of center bit.
- Glue bottom cap in place using PVC cleaner and glue.

Top cap

- The top should slide easily over tube for easy removal .
- Drill 1.5" hole saw at 1.25" center from edge so that the center is over the SQM-LE lens and debur the edges .
- Cut a square glass or obtain a glass disc.
- Use marine silicone seal (GE makes Marine Silicone) to glue glass to outer surface of cap (no recess allowed to prevent dirt from building up on the glass).

Bottom foam

- Use open cell foam (you should be able to blow air through) .
- Foam should be at least 1" thick .
- Cut to fit snugly in bottom of tube using a sharp razor or box cutter sliding back and forth in short strokes .
- Slice a cross in the bottom so that the cable comes through but is still sealed to prevent bugs from crawling up into the tube.

Optional parts

- Two Hose clamps to secure. 3 clamps can be used to mount into electrical cable wood staples. 4 ½ clamps can be used around a ¾ pipe mounted into the ground
- Two #3 electrical cable staples. Hammer these into wood, then loop the hose clamps through them to secure the housing.
- Power Over Ethernet (POE) adaptor kit, either:
 - LinkSys 5V Power over Ethernet adaptor: WLS POE ADPT KIT-WAPPOE
 - D-Link Power Injector + PoE Splitter: DWL-P200