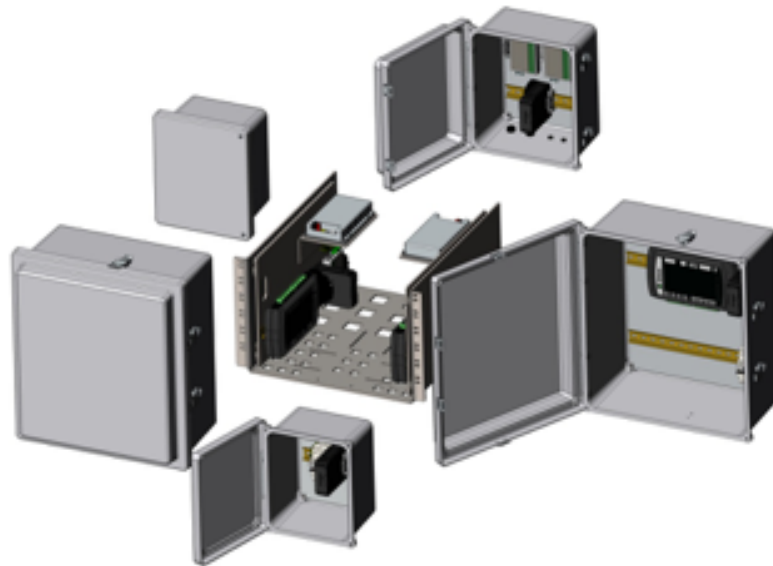


POWER AND COMMUNICATION CABINET

The Power and Communication Cabinet is an enclosure specifically made to adapt power and communication with the Versilis SwiftSign, SwiftGate and Control Unit. It should be noted that such enclosure is only necessary when field devices are using an external power source (other than solar), and/or using wired communication.



The Power and Communication Cabinet is assembled according to project requirements. The necessary project specific content dictates the shape and size of the enclosure.

▪ ENCLOSURE:

A standard enclosure is made of molded fibreglass polyester with matching cover. An enhanced UV inhibitor protects against outdoor weathering. The door is supported with a continuous stainless steel hinge and a captive oil resistant gasket provides a positive seal. The finish of the fibreglass polyester material is grey.

The enclosure meets the following standards:

- UL 508 Type 1, 2, 3, 4, 4X, 12 and 13
- CSA Type 1, 2, 3, 4, 4X, 12 and 13

The enclosure complies with:

- NEMA Type 1, 2, 3, 4, 4X, 12, & 13
- IEC 60529, IP66

▪ POWER SECTION:

The power section of the cabinet contains a double pole breaker and an AC to DC converter. Typical external power source varies between 100V AC to 240V AC. Expected current consumption is 1.1 A at 120V AC or 0.7 A at 230V AC. An optional surge suppressor can be added if required.

Other component options are available for different power sources.

▪ COMMUNICATION SECTION:

The communication section of the cabinet is used for all wired communication applications. In other words, if the SwiftSign(s) and/or SwiftGate(s) are controlled using the Versilis RF Handheld Remote Control, this section of the cabinet is not necessary.

COMMUNICATION INTERFACE OPTIONS:

- **Wired:** if a wired media is chosen, an RS-485 to RS-232 converter is installed in the enclosure. The RS-485 communication can reach up to 4000 feet without the use of any repeater using adequate RS-485 cable. For longer distances, a converter can also be used as a repeater.
- **Fiber Optic:** if a fiber optic media is chosen, fiber optic to RS-232/RS-485 converters are installed in the enclosure. The 2 converters are used as repeater to provide a daisy chain solution which means the use of a single pair. The communication reach is dependent on the type of fiber optic used. Fiber optic MM (Multi Mode) has a 1.2 miles reach while the SM (Single Mode) can reach all the way up to 12 miles.

ABOUT VERSILIS, INC.

Versilis takes pride in developing quality innovations and providing exceptional service. Everything we do is governed by three principals: quality, safety and efficiency.

Constantly following the latest developments in highway safety, Versilis offers innovative solutions to the industry.

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