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**DSX Access Systems, Inc.**

## Plug in AC Transformers

### Class 2 Plug-in AC Transformers for the DSX-1022

The Transformer used by the DSX Controllers that require them are Class 2 Plug-in type with a fused secondary. The transformer is UL listed or CSA Certified and can be secured into a duplex plug. The Transformer has a 16.5VAC / 40VA rating.

The transformer requires 1 pair of at least 18 AWG wire and should be within 25 feet of the Controller. The DSX panel monitors for High and Low AC Power turning on LED Indicators and reporting the status to the PC. If AC power supplying the DSX panel is too low, it may be necessary to move the transformer closer to the panel, use a larger gauge wire, use an electrical circuit that has less of a load on it, or use an 18VAC -40 VA transformer. The transformer for the DSX panel must not be shared by any other piece of equipment and must be plugged into a Non-Switched Duplex Plug. For more information on AC Power see the appropriate section in the Hardware Installation Manual.

### UL-294 / 1076

For UL 294 and CSA C22.2 No. 205 installations, the DSX-1022 Intelligent Controller is only intended for use with a UL Listed (EPBU, EPBU7) Class 2 transformer like the one manufactured by Revere Industries, Cat. No. RT-1640SL/M. Input rated 120 VAC, 60 Hz, 49 VA; output rated 16.5 VAC, 40 VA, 60 Hz. To meet the additional requirements of UL 1076 a DSX-1022 must be powered with 2 - 16.5VAC, 40VA transformers wired in parallel. They must be of the same make, model and distance from Controller. The two transformers must both have a separate but similar cable from the transformer to the controller where they are wired in parallel.

