

Intelligent Wired Systems (SDN 2.0 by Somfy®)

The Somfy® SDN 2.0 is also a three-wire motor, like the RTS system, with all the same benefits. However, instead of communicating to its control devices through a wireless RF signal, it communicates via low voltage data cable (CAT5 with RJ45 plugs, industry standard 8-pin 8-conductor). Not only is data cable used to connect motors to their control devices, but this same cable is also used to connect all motors together into a single communication bus.

- The SDN 2.0 system allows bidirectional or two-way communication. If I tell a motor to move to the closed or down position, it will send a confirmation signal and reveal its current position (requires a computer program or third party controller to see this confirmation).
- Offers mis-wire protection to prevent damage products when connected incorrectly, and provides LED indicators for real-time system status automatic “end of bus” termination.
- Since the SDN network runs over standard network architecture, it is possible to establish a remote connection to the system from anywhere internet access is available.
- A laptop or computer with Somfy program is required for programming the motors. Like RTS, motors must be commissioned or programmed one at a time.
- A virtually unlimited number of motors can be connected and operated together, by adding a variety of power distribution and communication distribution devices.
- SDN 2.0 systems use a motor called the Somfy RS485 motor (earlier versions were called the ILT motor), available in AC and DC applications.
- SDN 2.0 systems can easily integrate with third party devices through Dry Contact (located at the switches) or through RS232/RS485/Building Management Systems using Somfy CONNECT. The Somfy CONNECT LTI also allows easy integrate to Lutron controls and switches.
- While not as inexpensive as the RTS motor to wire, it is less expensive than many competitive systems due its minimal runs of 120VAC wiring (expensive copper wire in conduit) versus most of the wiring being CAT5 (inexpensive low voltage).