

Intelligent Wireless Systems (RTS by Somfy®)

The Somfy® RTS motorization platform is called an “intelligent wireless system” because it is a three-wire motor with a logic controller or wireless receiver embedded inside the motor itself. While it still has a wire for power supply (120VAC), it is called “wireless” because it communicates to its control devices through RF (radio frequency 433 mhz) signal.

- Wall switches (Decoflex), handheld remotes (Telis), automation integration devices (Universal Interface or URTSII), sun and wind sensors (Eolis), and all other control input devices communicate wirelessly through radio frequency signal.
- 65 feet is the recommended maximum omnidirectional distance from control device to motor. If there are concerns with other RF devices causing interference, you can shorten the range of the RTS control devices or use an RTS Repeater to strengthen or even lengthen the maximum range of the signal.
- The Intelligent Wireless Systems like RTS by Somfy can be inexpensive to wire by an electrician, because it acquires its power supply locally from a Junction Box, but no additional wiring is required.
- Somfy RTS only allows one Intermediate Stop position between 1% and 99% open/close, allowing all shades in the same room to align at this single position.
- The Somfy RTS system allows up to 16 channels, but a virtually unlimited number of motors (65ft range) can operate off the same channel number.
- Commissioning an RTS motor (programming) by an installer can be time-consuming, as only one motor can be powered at a time while you program your limit stops (maximum up/down range). This can be challenging on very large projects, and can make it challenging when servicing or replacing a motor in the future.
- The Somfy RTS system offers one-way communication. If a motor is told to move to its down or closed position, the programmer has to assume or confirm that it does, the motor does not reply back to confirm its current position.
- The Somfy RTS system can communicate with third party systems via Dry Contact (simple open/close/stop commands, single channel only per RTS Dry Contact Device) or via RS232/RS485. The SOMFY CONNECT LTI, when used in conjunction with the URTSII, allows the RTS motor to simply and easily integrate with Lutron controls and switches.
- The Somfy RTS motor is available in AC motor and DC motor configurations.