



Why Talius Tubular Motors: Pioneering Precision and Efficiency in Control Solutions

Talius is pleased to announce the arrival of our new tubular motors. This technical walkthrough aims to outline the intricate features, enhancements, and differences from our esteemed Somfy motor lineup. The new motors feature a simple pricing structure as well as lower projected costs when compared to Somfy.

New Talius tubular motors have been specifically designed to offer more power per dollar spent, offering greater torque than Somfy at the same price. We've tailored our motor offerings to complement our roll shutters and Habitat Screens into three different types which are outlined below:

Standard Limit Motors: MO-2025, MO-2050

Designed for both Rollshutters and Habitat Screens, offering versatility with different power variations, manual override, and a refined user experience.

They come in two sizes depending upon the requirement of the Rollshutter; 50Nm and 100 Nm, respectively and can be used for both roll shutter and Habitat Screen applications. Each of them comes equipped with the manual override gear box. If no manual override is selected, the motor will come without a crank and the overhead box will have no drilled exit holes. Manual override options for these motors provide more flexibility than the Somfy line up, offering multiple exit locations which allows you to mount your crank rod from more than one location.

In addition to these features, Talius Standard Limit motors offer a few changes worth taking note of before heading out to the job site. The major differences you'll notice are visual, each of the motors comes with 3' of cable as standard with longer options in the future. Keep in mind that it is common practice with Rollshutters to cut this cable shorter and to utilize the endplate as a junction box, where we provide labelling and ground screw for just such a scenario. Rather than the buttons present on our Somfy motors, the Upper and Lower limits, or stopping points for the Rollshutter, can be adjusted by turning dials with a hex key tool. The dials can be adjusted to make setting limits simple and precise. They are accessible from both sides of the motor, ensuring you will always have access regardless of installation conditions

and are marked with a large arrow, indicating the shaft direction. Each Standard limit motor comes with 4 wires, two directional, one ground wire and one neutral wire.

Radio Frequency Motors: MO-2125, MO-2150

Using radio frequency, our RF motors mirror the functionality of Somfy RTS motors while also offering a few key advantages. The first of which is the ability to act as both a receiver and repeater to extend the range in radio applications which means you'll get greater reception from afar.

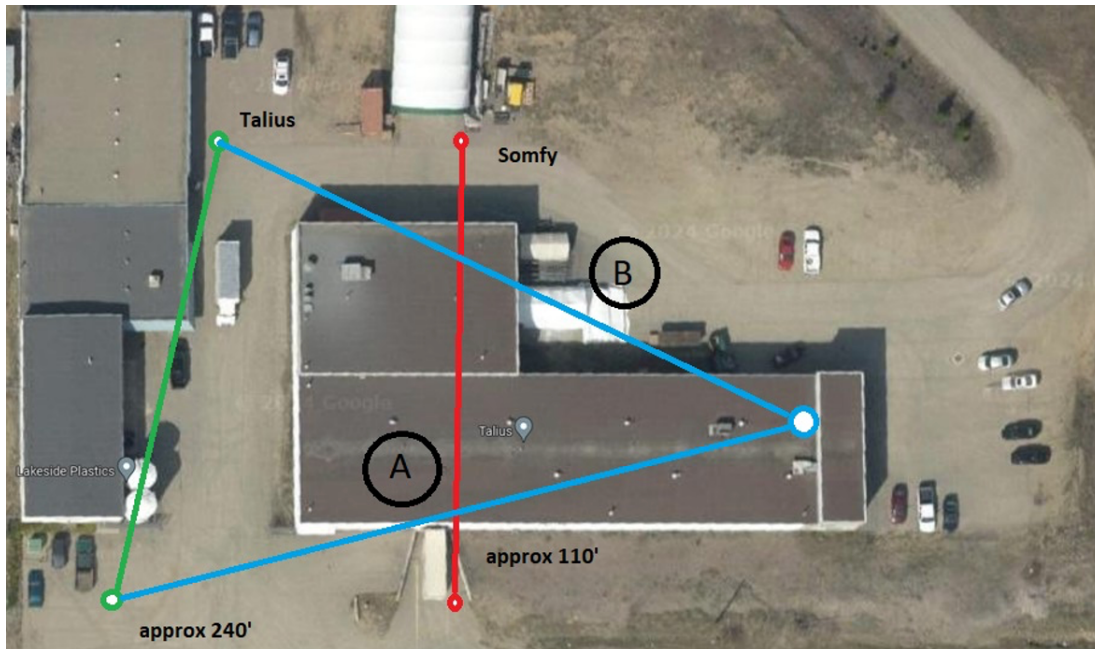
Visually, they are nearly identical to our Standard Limit Motors; the RF motors also come with the same size options, 50Nm & 100Nm and each of them come standard with a manual override gear box, mounted directly onto the endplate. When manual override is requested, Talius will add the required accessories to facilitate manual operation of the unit in case of power outages. This is especially popular with commercial and institutional projects. Like standard limit motors, these motors can also be used in roll shutter or Habitat Screen applications and share the same dials for setting limits and are also placed on either side of the motor for your convenient installation. Where they differ is their transmission. Unlike limit motors, radio frequency ones do not need to be hard wired to a switch and only have three wires, a neutral, ground and a hot wire for power.

Radio motors allow for the simplest installation, greatest, most flexible control configurations. Group control and Master control of multiple units can be achieved without the necessity for relays and extra controllers by simply connecting radio motors in parallel from the same power supply.

Zip Motors: MO-2250, MO-2225

Zip motors are compact, lightweight, radio motors with obstacle-sensing capabilities that are crafted specifically for the use of Talius Habitat Screens.

We've compared Somfy's RTS motors with our own and observed a notable twofold improvement in range reception. While Somfy's RTS motor, maintained communication with the rollshutter to a maximum distance of 110', our new Talius motors demonstrated consistent correspondence at an extended range of 240' (see figure below). The doubling of range streamlines the control process for even the most expansive project, providing enhanced control capabilities across the entire site.



Both motors were tested across lines A & B with the following circumstances:

- Line A goes through one wooden wall and one 10' thick brick wall
- Line B goes through two 10" thick brick walls

Among the range benefit, the key features Zip motors offers rests in their ability to sense obstacles and resistance to operation in both the Down and Up directions. Detection can be turned off if desired, but when enabled, you'll notice that it is less sensitive to obstructions than Somfy RTS motors which means it won't kick in unnecessarily. When it does sense an obstacle, it will retract and make another attempt if the obstruction has cleared. This feature is especially desirable in areas where gusting winds might be a temporary cause of resistance. In addition to their obstacle detection, their antenna is also separate from the wiring which means you can shorten the cable without effecting reception.

They also come in two sizes, and the size provided is dependent upon the size and weight of the Habitat Screen it is installed into. The two sizes are 10Nm, which will be sufficient for 80% of current Habitat Screens, and 50Nm. They do not come with manual override options like the other two. Their size makes them easier to install and mount and their 24' cable makes the end look sleeker than our Somfy line-up.

Transmitters: CO-2005, CO-2010, CO-2015

We now offer three different transmitters, each of which offer a different number of channels. The first is a single channel transmitter that operates on one radio channel. The second opens the possibility to control 5 different channels and is also equipped with a timer

for automation purposes. The final is a 15-channel transmitter, ideal for large multi-unit projects such as large residences, institutional and commercial applications.

In addition to the previously discussed motors and transmitters, Talius also offers options for automation of the Radio motors via a solar powered radio sun/wind sensor and Wi-Fi interface that allows control by mobile device via our app.

Talius Wi-Fi Hub CO-2055

The hub allows the user to control their Radio Frequency and Zip Motors with the Smart App from their Apple or Android phone via this device. The hub is connected to the Internet via Wi-Fi or built in Ethernet adapter whereas Somfy Tahoma's ethernet adapter is only sold separately. Once the app is downloaded to the phone, setting up the hub is an easy step by step process with the users email & login name & password.

With the app now downloaded and registered, you can copy existing remotes into the hub and control all your wireless motor driven habitat screens, roll shutters and blinds. Each unit can be controller individually or in groups (referred to as scenes) of your liking and named/tagged with either stock photos or images taken with the phone for ease of reference. Timers can also be established for open & closed to specific times & dates, sunrise & sunset and even set to specific opening percentages for full control of each unit. If the phone is connected to either the cellular network or Wi-Fi, you will have full control from anywhere on as many phones as you like.