

Technical Facts synoris 550/800N



synoris opener:

synoris 550N (1/2HP): for doors up to 550 lbs weight

synoris 800N (3/4HP): for doors up to 1200 lbs weight

<u>Rails:</u>	Overall incl. head	Travel length	Max. short able	Min. Overall incl. head
7ft. Rail	11' 6"	8' 6"	1' 6"	10'
8ft. Rail	12' 11"	9' 11"	1' 11"	11'
10ft. Rail	14' 2"	11' 2"	1' 2"	13'
12ft. Rail	16' 11"	13' 11"	11' 11"	15'
14ft. Rail	19' 5"	16' 5"	2' 5"	17'

Connector Wire: allows to detach the head apart from the rail. Saves 10 in. in overall length

Connect to terminal on circuit board: red wire to terminal 7, green wire to terminal 8

5ft. Rail Extension: compatible with 7ft, 8ft. And 10ft. rails. Max. travel length is 14ft.

Includes a second ceiling suspension bracket

Indicator lights on power head:

- Radio light: lights or blinks during learning of a transmitter respective of the programming state
- Power light: lights up when the opener is supplied with power
- Status light: always blinks while the opener open/close the door. Blinks before two learning cycles
- Safety light: lights up when the photo eyes are interrupted
- Command: lights up when a command is given by wall station or transmitter

Photo Eyes:

- Terminal on power head: 5-6 (non polarity)
- Photo eye with red sticker: receiver. Should be out of the sunlight
- Photo eye with green sticker: transmitter
- Flashing photo eyes LED's: no connection between photo eyes. Adjustment is necessary.
- Solid photo eyes LED's: powered. Make sure they are not connected to 3-4.
- No lighted photo eyes LED's: no connection to power head

Wall Station:

- Terminal on power head: 3-4 (non polarity)
- Green LED: normal operation
- Red LED: vacation mode. Transmitter and wall station are locked.

4- Button Transmitter:

- Programming to power head: press learn button on power head once (green solid LED) – Press desired transmitter button
- Programming to operate light: press learn button on head twice (green flashing LED) – Press desired transmitter button
- Delete all radio codes: press learn button for 60 sec.
- Delete one radio code: press and hold learn button until LED is flashing (7sec.) - Press desired transmitter button

Troubleshooting synoris opener

Opener does not operate from either wall station or transmitter:

- No power. Check if "Status" LED on power head is turned on
- Insert 6 inch plastic bolt that locks the power head in place
- Make sure the slide in part with connection terminal is in the back of the c-rail facing down
- Disconnect power. Remove power head cover. Check terminal/ wires: 7-brown, 8-blue, 9+10-red, 11+12-black
- Plug in the opener. There may be a light switch that turns the outlet "On" make sure that it is turned on
- Are all locks on the door disengaged?
- Has snow or ice built up under door? Door may be frozen to ground. Remove any restrictions
- The garage door spring may be broken
- Engage motor carriage by pulling red rope on motor carriage

Opener does not close:

- Check if "Safety" LED on power head is turned on
 - If yes: - Photo eyes wires are in wrong terminal. Should be in 5 + 6 on power head
 - Wire is maybe damaged
 - Photo eyes are not properly aligned or leveled
 - LED on photo eyes have to be solid
 - Open motor carriage and check that all wires are connected and not loose

Opener does not operate from wall station:

- Are wiring connections correct? Check wall control wiring
- Is wall station pushbutton lit? If not, disconnect wires from wall control and momentarily touch them together
 - If opener runs, replace wall control
 - If openers does not run, check wiring connections at the power head, check wire for breaks under staples

Opener does not operate from transmitter:

- Is the wall station LED turned on? Turn off the vacation mode by holding down the lock button until the red LED turns green
- Does the transmitter indicator light up when the transmitter button is pressed? If not, replace battery
- Has the opener learned the code of the transmitter? Press learn button on power head once (Radio LED solid) and press desired transmitter button

Door reverses for no apparent reason:

- Is something obstructing the door? Pull emergency release handle and open door manually
- Clear ice or snow from garage floor area where garage door closes
- Press and hold the "Reset" button on power head until "Status" LED stops blinking
- If door reverses from fully closed position, readjust the front limit stop. Opener might not reach the limit switch

Power head lights do not stop blinking:

- Complete learning cycles. Open and close the door two times to finish the force learning process