03/22

SENSORS®
PRODUCT INFORMATION

RENSON®
Creating healthy spaces

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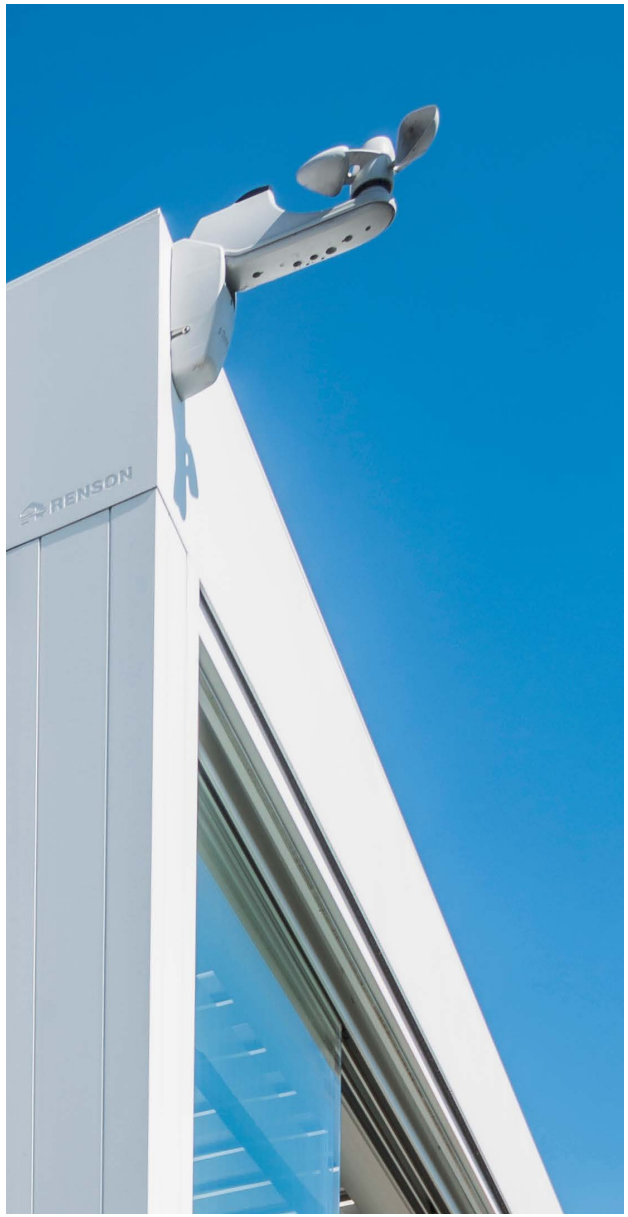

DESCRIPTION

To offer optimal protection, our patio covers can be combined with a rain and/or wind sensor.

These sensors monitor your comfort and respond fully automatically based on changes in a specific situation. They do so based on pre-set scenarios, to meet your needs and requirements and/or based on weather circumstances.

Our sensors continue to operate fully autonomously when you're away from home, extending the lifespan of your sun protection. In addition, automated sun protection can reduce your energy consumption by no less than 36%.

APPLICABILITY

	Wind sensor	Rain sensor	Snow detection	Frost detection	Sun sensor
Camargue	✓	✓	✓	✓	-
Camargue Skye	✓	✓	-	-	-
Algarve	✓	✓	✓	✓	-
Algarve Canvas	-	-	-	-	-
Aero	✓	✓	✓	✓	-
Aero Canvas	-	-	-	-	-
Aero Skye	✓	✓	-	-	-
Lapure	✓	✓	-	-	✓

Back order	✓	✓	-	-	✓

BENEFITS

Wind sensor

A wind sensor can retract your sun protection depending on a pre-set wind speed. This protects your screen against unexpected strong winds. Our wireless sensor is easy to install and only requires minimal wiring. Setup is also straightforward.

Sun sensor

A sun sensor responds to the intensity of the sun and can control your sun protection accordingly. This way, the inside temperature of your home is always kept under control, even when you're away. Our wireless sensor can be used on an outside wall or on the inside of a window and is easy to install and set up.

Rain sensor

A rain sensor can automatically close your roof when rain is detected, keeping the furniture underneath your patio cover dry at all times. Combined with a temperature sensor — which comes integrated as standard — a rain sensor can also serve as a snow sensor. When precipitation is detected below a certain temperature, the sensor will recognise this as snow and move the roof to the pre-set snow position. The roof will be closed in light snow or opened in heavy snow.

Important note regarding the frost and snow protection function!

The temperature sensor is located in the motor control box. In certain circumstances, the temperature in this box can differ slightly from the actual outside temperature. This may result in the blades being opened or closed against your will. In areas with regular snowfall, this can be a problem. As a solution, the rain sensor can be disconnected in winter to allow you to operate the blades manually.

TECHNICAL DETAILS

Operation

Weather sensors

Wind

- Detection occurs via an optional wind sensor
- One wind sensor per installation
- Multiple Fixscreens and bladed roofs can be connected to a single wind sensor (via the 'Prog' button)
- Wind protection means Fixscreens retract and blades close
- Wind protection in Skye roofs does not work using a wind sensor, but using an online weather service instead

Snow

- Detection occurs via an internal temperature sensor in the motor control box
  in combination with a rain sensor.
- Frost (temp. < 3°C) combined with rain will be recognised as 'snow'.
- Prevents excess snow load on the roof.
- Snow protection in Skye roofs does not work using an internal sensor, but using an online weather service instead.

Frost

- Detection occurs via an internal temperature sensor in the motor control box.
- Prevents the blades from freezing shut.
- Frost protection in Skye roofs does not work using an internal sensor, but using an online weather service instead.

Rain

- Detection occurs via an optional rain sensor, to be connected to the motor control box
- One rain sensor per roof
- Prevents water from entering underneath the bladed roof when it is raining

Priority (high -> low)

Wind -> Snow -> Frost -> Rain

Overrule

Each of these functions is a safety function.
Overruling them can be dangerous — you are effectively switching
off your safety!
All weather functions can be overruled when using RTS.
When using IO, only the rain sensor can be overruled.

OTHER TOOLS

Want to find out more? Visit the Professional Portal on our website (www.renson.eu) to access the following tools.

- Technical drawings
- Training documents
- Installation manual
- User manual
- Digital photo book & social media
- ...