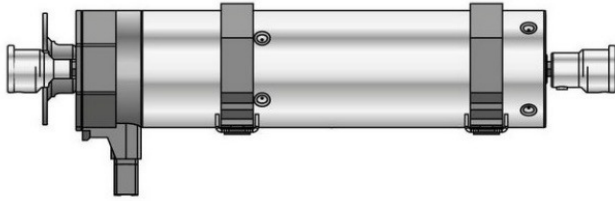


EV80 – Electrical Requirements



Remote Control Operation:

When Remote Control Technology is utilised, the blinds can be parallel wired. Each unit requires a three core 240 V (active, neutral and earth) feed which must then be connected to the supplied Evaya (Hirschmann) proprietary plug and tail. This cable plugs directly into the motor of the blind when installed.

Connecting Evaya Tail With TPS

ACTIVE – BROWN
 NEUTRAL – BLUE
 EARTH – GREEN
 BLACK – NOT REQUIRED IN REMOTE CONTROL

RS 485

By using an RS485 transmitter the installation can be configured to operate within a building automation system.

Wind Sensor

The Eolis sensor is designed to protect the EV80 systems against high wind damage. The remote control technology requires 240v power supply only as communication with shading systems occurs wirelessly. See mounting options.

Switch Control Operation

Power to the blinds **MUST NOT BE WIRED IN PARALLEL**. Irreparable damage to the motor and or installation will occur. Each blind requires it's own dedicated four core 240 V (2 x active, neutral and earth) feed which must then be connected to the supplied Evaya (Hirschmann) proprietary plug and tail. This cable plugs directly into the motor of the blind when installed.

Connecting Evaya Tail With TPS

ACTIVE – BROWN AND BLACK
 NEUTRAL – BLUE
 EARTH – GREEN

Wind Sensor

The Eolis WT (Wired Technology) unit is a sensor designed for building management system integration. The WT sensor is a wired sensor connected to a control unit within a central switch board hub. Wiring diagrams available on request. See mounting options

Current

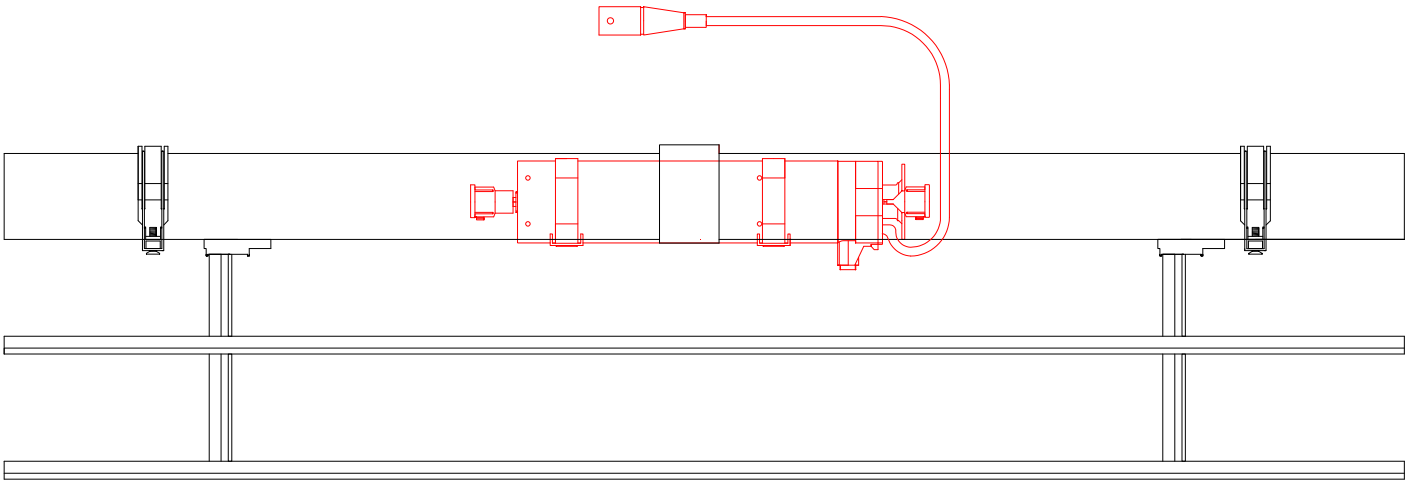
As an indication, the motors draw 0.4 – 0.6 Amps under maximum load and therefore do not require their own circuit.

Location Of Power

As a guide the power should be located centrally across the width of the unit. Section images below highlight the feed based on the pelmet options.

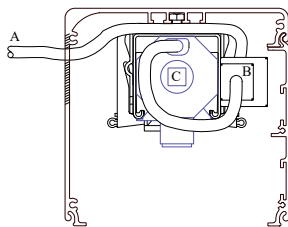
Motor Location In Drive Assembly

- * Motor located in centre of the drive rail assembly
- * Power cable is always located on the RHS when viewed from outside of building looking in
- * Cable length from motor is 900mm

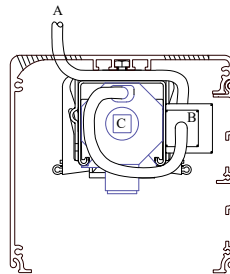


Evaya Pelmet Type A & B

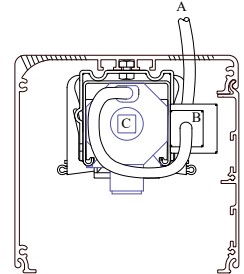
- A - Indicates Power
- B - Indicates Hirschmann Plug Connection
- C - Indicates Motor



Face Entry



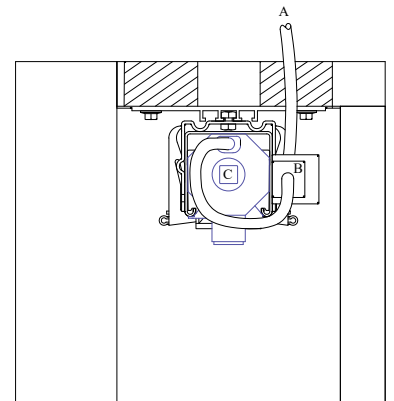
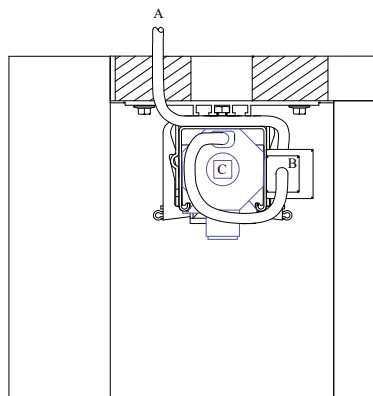
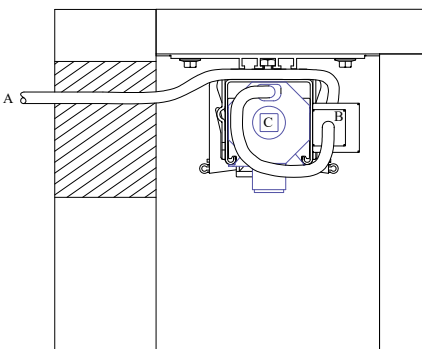
Top Entry 1



Top Entry 2

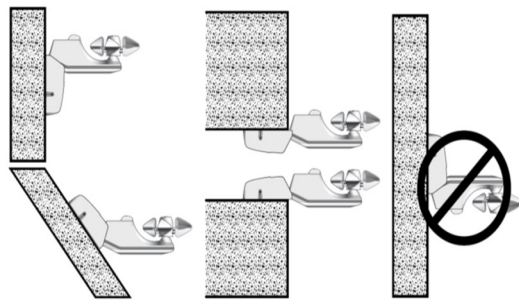
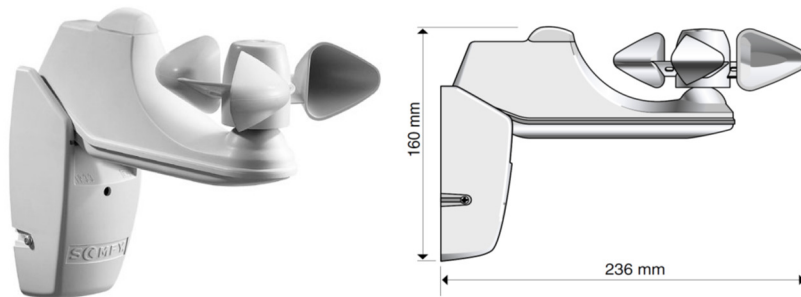
Evaya Pelmet Type C - Mounting Plate

- A - Indicates Power
- B - Indicates Hirschmann Plug Connection
- C - Indicates Motor



Wind Sensor – Operation & Mouting

The wind threshold can be adjusted by the potentiometer to accommodate varying wind speeds. When the wind speed exceeds the threshold set an up order is given to the shading systems. As long as the measured wind speed remains higher than the adjusted threshold, any commands to lower, raise or tilt the shading systems are inhibited. When the wind speed falls below the threshold setting, an order or command can be given. When specified, provision for the installation and correct wiring of an Eolis sensor must be provided for. Mounting options are as below. A wind sensor shroud, recommended for roof installations



Eolis RTS - Product Data

- * The wind threshold can be adjusted to accommodate a wind speed within a minimum of 10 kmh to a maximum of 50 kmh.
- * Power Supply - 240v
- * Phase and Neutral
- * Two terminal screws inside sensor. No polarity.

Eolis With Soliris IB Building Automation - Product Data

- * The wind threshold can be adjusted to accommodate a wind speed within a minimum of 5 kmh to a maximum of 80 kmh.
- * Power Supply to Soliris IB - 240v
- * Wiring from Soliris IB to Eolis Sensor - 0.75mm pair. No voltage carried.
- * Two terminal screws inside sensor