



## SolTronic III - UL

### CONTROL SYSTEM FOR MOVEABLE SOLAR SHADING SYSTEMS

#### DESCRIPTION

SolTronic III is a micro-processor driven controller of moveable solar shading systems. Using sun tracking routines, the system calculates the position of the sun for any particular time or place and is programmed with data relating to the geometry of the louvre systems.

It can use data from sensors to modify its routines. SolTronic III provides exact positioning of solar shading louvres and folding or sliding shutter systems.

#### TECHNICAL DETAILS

SolTronic III controls local Motor Control Units which then have the task of moving the actuators attached to the louvres.

The Motor Control Units are supplied pre-wired in accordance with the number and configuration of the actuators for the specific project. Each local Motor Control Unit is connected with SolTronic III by a bus cable system (please turn over). It is possible to connect up to 15 groups each with 15 actuators to the system (thus resulting in a total of 225 actuators). A hand switch can be fitted to each actuator and each Motor Control Unit for individual control of the actuators.

#### ADDITIONAL FEATURES AND BENEFITS:

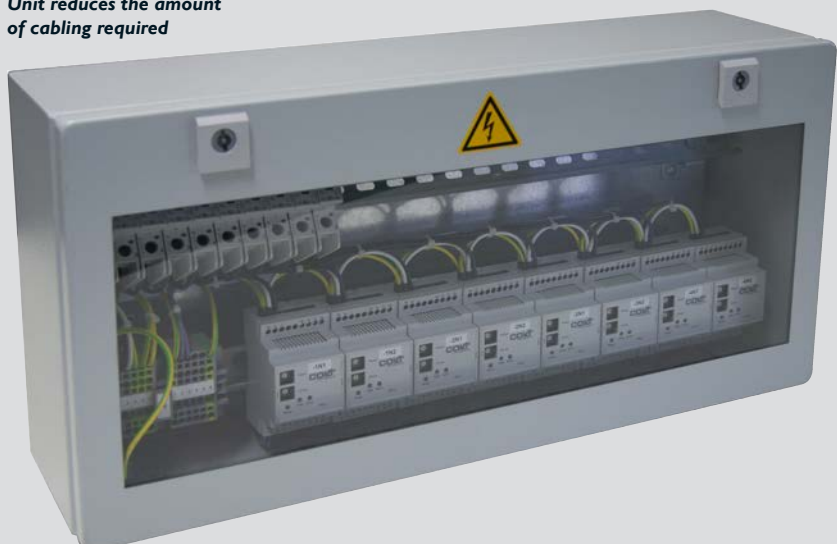
- Evaluation of inputs from weather sensors
- Pre-programmable positioning for when the louvres become iced up, and for storm or cleaning modes
- Desired positions and parameters can be programmed for each group

*Continued over*



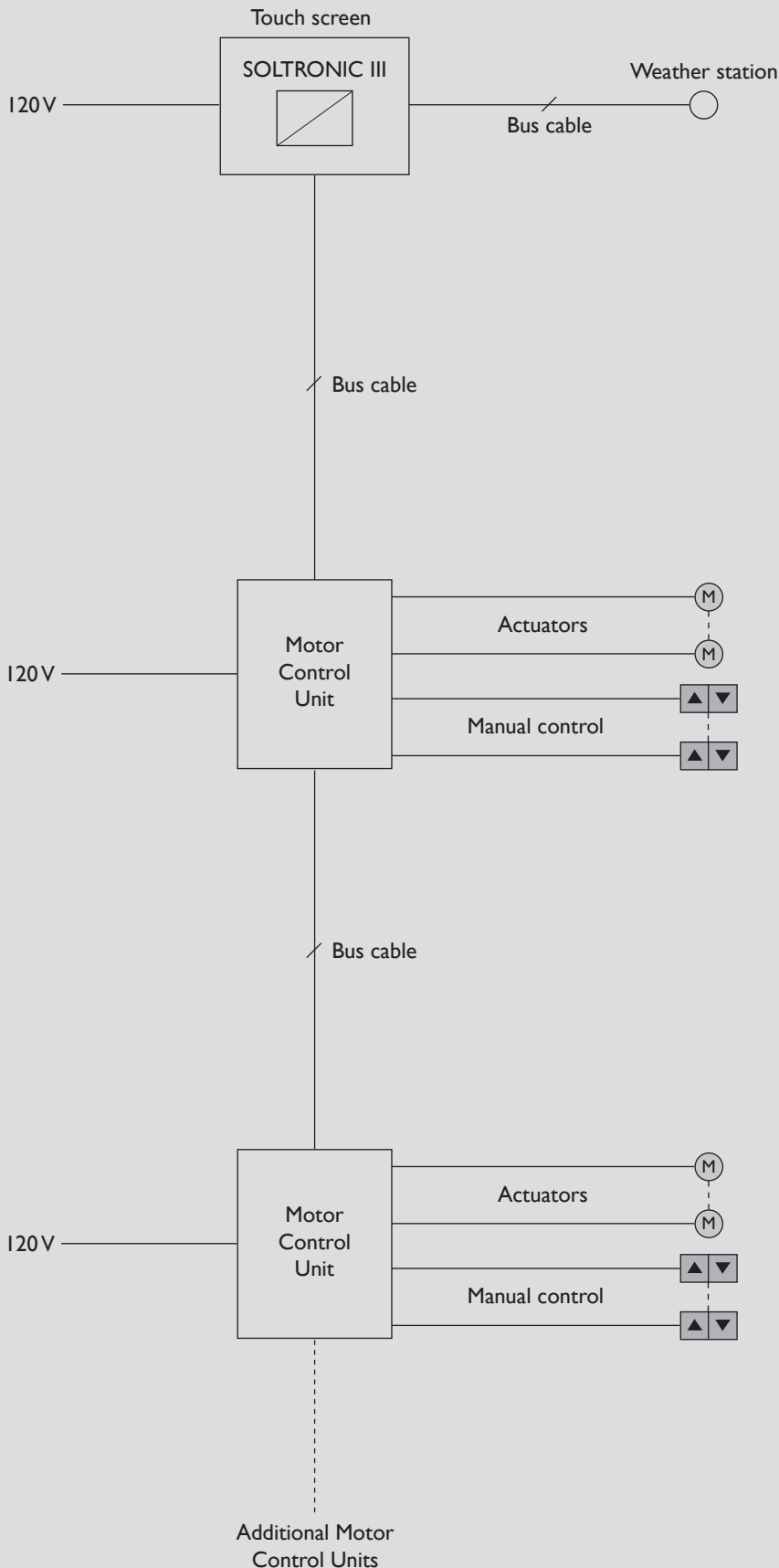
*Easy touch screen interface*

*The local Motor Control Unit reduces the amount of cabling required*



“People feel better in Colt conditions.”

**Wiring Schematic**



**ADDITIONAL FEATURES AND BENEFITS:**

- Plug and play function
- Easy commissioning – The colour display guides the user through the commissioning routine and no laptop is needed
- Weather data transmitted from a combi sensor (see picture). This can be directly connected to the MCU Bus line



**SOLTRONIC III (CONTROL PANEL FOR LOCAL MOTOR CONTROL UNITS)**

- 120V/60Hz supply (10 A fuse)
- For positioning in dry closed rooms
- Operating temperature from 10-40°C
- Plastic housing
- Dimensions: 14<sup>11</sup>/<sub>64</sub>" x 12<sup>19</sup>/<sub>32</sub>" x 6<sup>11</sup>/<sub>16</sub>" (WxHxD)

**LOCAL MOTOR CONTROL UNITS**

- Each connection drives a 120 AC actuator
- Automatic measurement of run time
- Attachment of room local switch possible
- Positioning in a dry closed room
- Operating temperature 10 - 40°C
- Plastic housing

**MOTOR CONTROL UNIT FOR UP TO 5 ACTUATORS**

- Supply 120V/60Hz (16A fuse)
- Dimensions: 16<sup>17</sup>/<sub>32</sub>" x 11<sup>13</sup>/<sub>16</sub>" x 6<sup>7</sup>/<sub>64</sub>" (WxHxD)

**MOTOR CONTROL UNIT FOR UP TO 11 ACTUATORS**

- Supply 120V / 60Hz (25A fuse)
- Dimensions: 23<sup>5</sup>/<sub>8</sub>" x 11<sup>13</sup>/<sub>16</sub>" x 6<sup>7</sup>/<sub>64</sub>" (WxHxD)

**MOTOR CONTROL UNIT FOR UP TO 15 ACTUATORS**

- Supply 120V / 60Hz (32A fuse)
- Dimensions: 31<sup>1</sup>/<sub>2</sub>" x 11<sup>13</sup>/<sub>16</sub>" x 6<sup>7</sup>/<sub>64</sub>" (WxHxD)

Go to [www.coltgroup.com](http://www.coltgroup.com) for further info.  
© Colt International Licensing Limited 2014

