

# Installation Guide ( MPC-850 )

MPC

**Important Notes:**

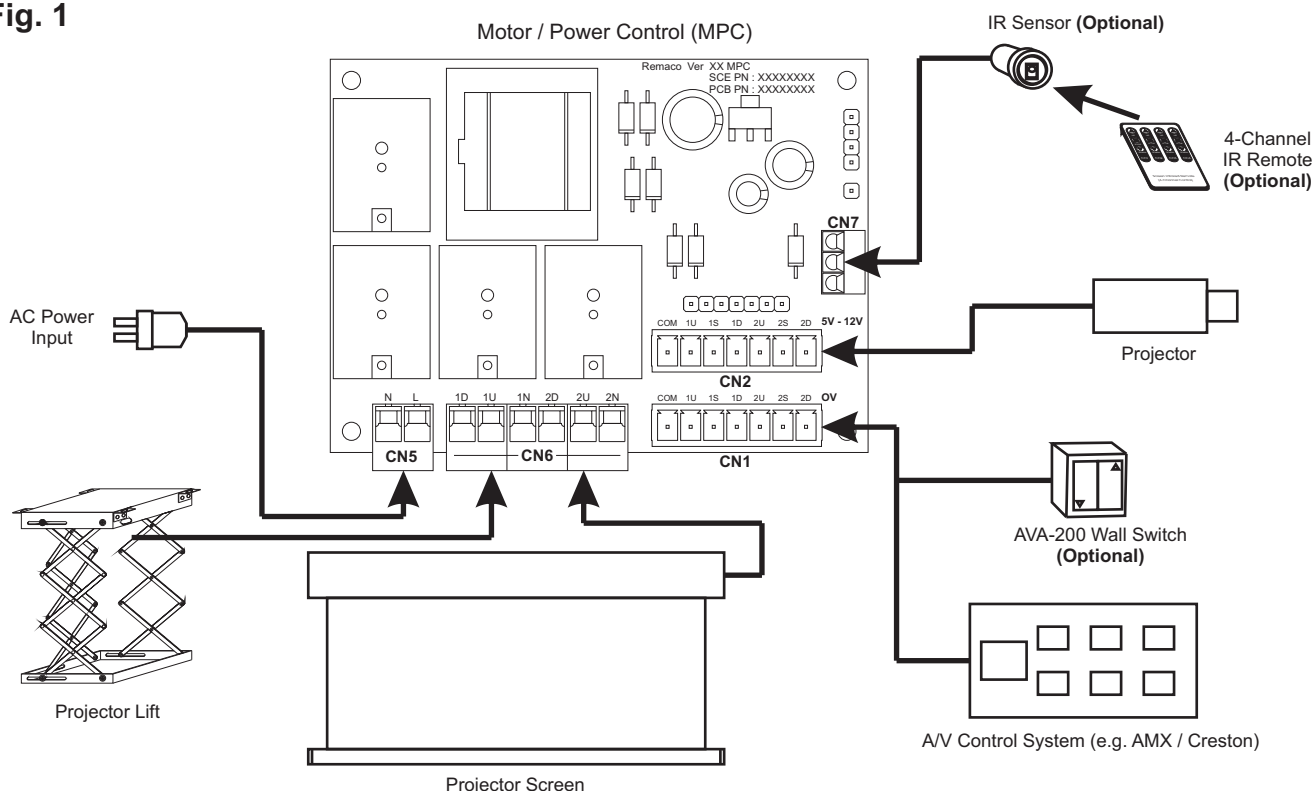
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**Application**

Motor / Power Control, MPC, is an electronic controller that can be used to control a motorized screen, projector lift, curtains or any other electrical motor powered equipments capable of bi-directional movements. The MPC can also be configured as a power trigger device to switch on/off the power supply of any A/V equipments, (e.g. Projectors, Amplifiers, DVD Players) Lights or Down lights, etc

It can also be used with LCD/DLP Projectors, as an interface to trigger screen Up/Down movements through a 12V DC output from a projector.

**Fig. 1**



**Setting up**

Identify the different connectors by their colours and labels. It is important to know the connectors and their functions, as a wrong connection may cause damage to the device. Please see Fig. 2 for connector listing.

Connector	Application
CN5 Power	For connection to a 230V/110V power source 

Connector	Application
<b>CN6</b> Controlled Equipments	<p>For connection to up to 2 electrical motor powered equipments capable of bi-directional movements</p> <p><b>Fig. 3</b></p>

<b>CN2</b> 5V-12V Contact Closure	<p>For use by projector to trigger motorized screen up/down, connect 2-core projector 12V cable to CN2</p> <ol style="list-style-type: none"> <li>1) On CN2, short 1U, 1S and 1D</li> <li>2) Connect the '+12V' to 1U and 'Ground' to COM respectively</li> <li>3) 2U, 2S and 2D of CN2 works the same</li> </ol> <p><b>Fig. 6</b></p>
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#### Other Features (Featured items, AVA-200 & Sensor only available in Bundle Pack)

Connector	Application
<b>CN1</b> 0V Contact Closure	<p>For control by an A/V control system (e.g. AMX or Creston) or a Spring Loaded Wall Switch (Remaco AVA-200)</p> <ul style="list-style-type: none"> <li>- The Stop functions can be activated in 2 ways. <ol style="list-style-type: none"> <li>1) By control through the contact closure 'Stop' port</li> <li>2) By triggering the respective Up and Down functions at the same time, and holding it for 0.6 seconds or more.</li> </ol> </li> </ul> <p>* For this 0V Contact Closure, any DC voltage exceeding 3V might damage the MPC</p> <p>* Works on momentary contact closure only. (Dry contact, normally open)</p> <p><b>Fig. 4</b></p> <p><b>Note:</b></p> <p>* To stop, press Up &amp; Down at the same time and hold it down for at least 0.6s</p> <p><b>Fig. 5</b></p>

<b>CN7</b> IR Sensor	<p>For connection to an IR Sensor</p> <ul style="list-style-type: none"> <li>- To be used in conjunction with a remote controller for controlling of equipments</li> </ul> <p>* Maximum cable length between IR Sensor and MPC is up to 7m.</p> <p><b>Fig. 7</b></p>
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**End**