



MC140 specific installations

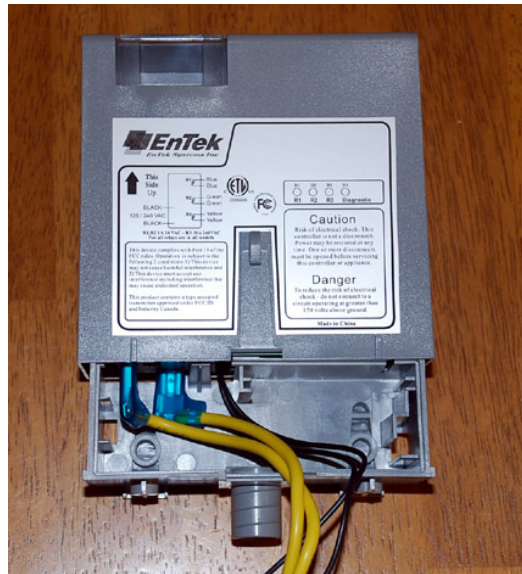
Supplement to TC Installation sheet

March 2011

The MC140 is a compact Load Controller with internal wiring space. It is accessed by sliding the meter sealing mechanism open and sliding the main cover up.



The MC140 RAC is shown above with the top cover in the “up” position and a ½ inch flex conduit ready to spin on the molded in adapter. To open the wiring compartment, press the sides of the drawer (one side is sufficient) and slide the drawer open.



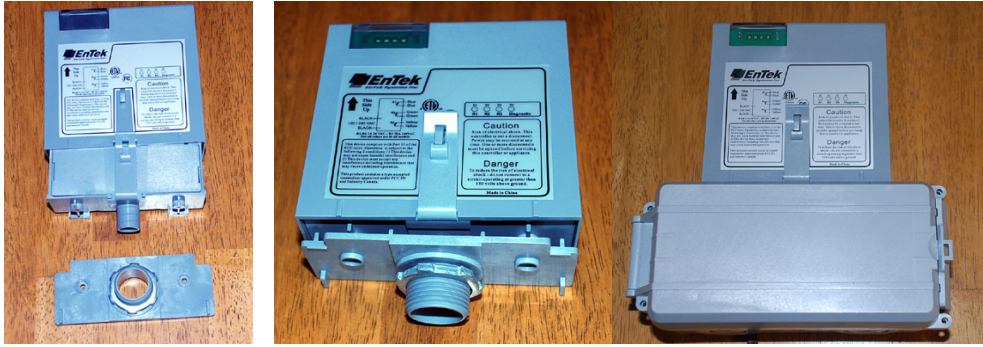
With the drawer removed the mounting bosses and the wiring are exposed. To mount the unit simply use a screwdriver or other similar tool to break out the web in the mounting bosses (two places) and use screws suitable for the backing surface to mount the MC140RAC.

The two black wires are POWER and connect to any supply between 85 and 280 VAC 50 / 60 Hz. The two YELLOW wires are the load carrying wires and are wired in series with the load to be controlled (SEE TCRCAC INSTALLATION). This contact is rated for 30A 240 VAC 50 / 60 Hz. These connections must be very tight to minimize heating. (See App Note 101 6-22-10).

Reverse the above process to reinstall the drawer face and slide the top mechanism down to its original location. A padlock meter seal can be used to secure the cover from being opened by the customer or others.

Some installations may require the use of the optional Junction box.). This box is available along with an adapter to mount the MC140. In this installation mode the Adapter is first mounted to the bottom of the MCRAC using the screws supplied for this purpose. The Junction Box is then added using a standard 3/4 inch conduit nut. Finally, the MCRAC is mounted to the wall using the same method as described above.

In some installations it is desirable to mount the Junction box either using the Knock Out holes or other method and allowing the MCRAC to “stand above the J Box”. In this mode do not pierce the web in the normal mounting holes.



In ALL cases the “UP” direction must be followed for any installation where water may be encountered.

For the Junction box, standard conduit or Romex fittings can be used or custom EnTek conduit fittings are available for clean, professional installations.