

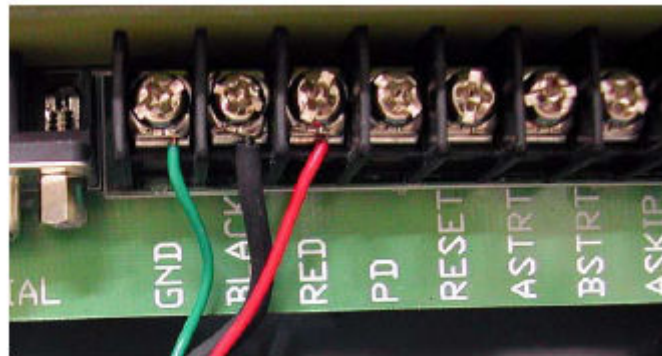
## **RM200 Installation**

NOTE: It is important for correct and continued reliable operation of the RM200 that cables and wires are not be subjected to deformation or damage during installation or normal use. During installation, ensure that cables and wires are not positioned or routed such that deformation of the cable or wires could occur. Routing of the antenna cable should not result in a bend radius of less than 75mm.

Using appropriate fasteners, attach the RM200 in close proximity to the MicroMaster 4000 or 4500 controller.

NOTE: If mounting the RM200 to a sheet metal wall, it is essential to mount timber mounts to the metal wall first and then mount the RM200 to the timber. This prevents high temperatures being conducted to the RM200.

The RM200 is supplied with 1.5m of attached RS485 cable for connection to the MicroMaster controller. Pass the RS485 cable through the large hole at the bottom centre of the controller case. Strip the red, black and green wires of the cable. Insert the RED wire under the screw labeled Red on the terminal block. Insert the BLACK wire under the screw labeled Black on the terminal block. Insert the GREEN or BLUE (depending on cable supplied) wire under the screw labeled Gnd on the terminal block.



Connect the plug pack connector to the socket on the bottom edge of the RM200. Plug the RM101 plug pack into an available 240Vac wall socket.

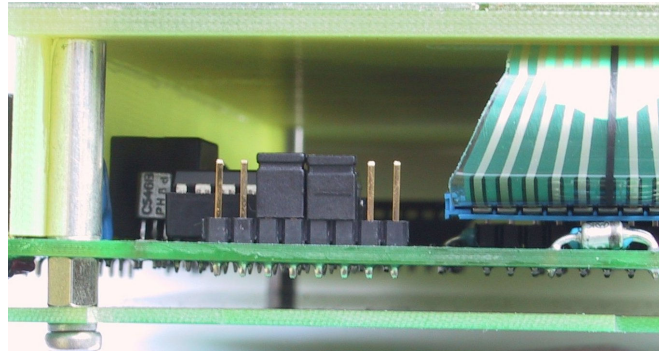


Connect the antenna cable to the coaxial connector on the bottom edge of the RM200. Remove the front cover of the RM200 and turn on the RM200. The Pwr/Rx/Tx lights should flash momentarily. The Pwr light will then flash for ¼ of a second every second. The RM200 will perform internal consistency checks for approximately 10 seconds. The RM200 is now ready for operation.

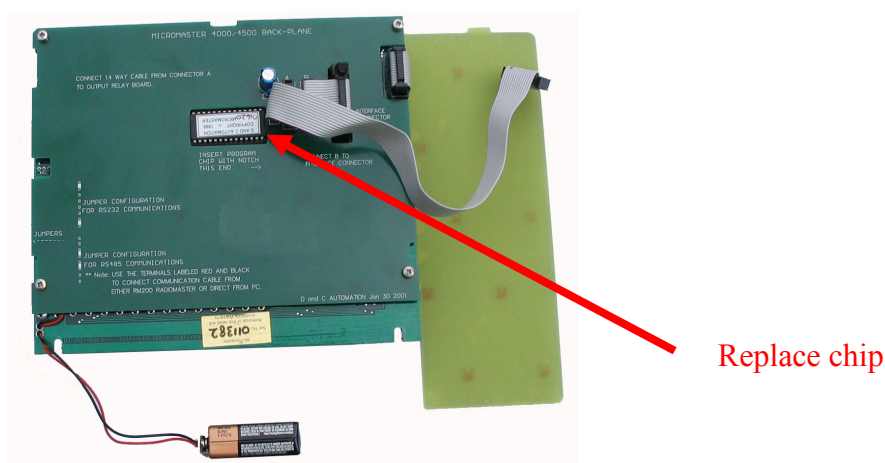
## **Configure the Micro-Master 4000 or 4500 Controller for Radio-Master operation**

Remove power from the Micro-Master controller, and remove the Micro-Master controller front panel from the enclosure.

Set the communication configuration plugs to **SS** on the MicroMaster controller panel for RS485 communications. These plugs are located on the front panel circuit board on the right hand side of the MicroMaster controller panel.



Remove the existing chip and replace with a communication compatible chip. Inspect the installed chip and ensure that all the “legs” of the chip are correctly inserted into their respective slots. Replace the MicroMaster controller panel into the enclosure and apply power.



Press SETUP until RADIO 3 is displayed. Press key 3 to set the controller to communicate by Radio-Master protocol.

The MicroMaster controller is now set up to communicate with Radio-Master protocol.

Note: MicroMaster controllers manufactured prior to May 1999 are not fitted for RS485 communications. If your MicroMaster controller was manufactured prior to May 1999, contact your local Toro dealer for further information.

## **Configure the Micro-Master 4500Plus Controller for Radio-Master operation**

The MicroMaster 4500Plus has been specifically built to be “RadioMaster ready”.

Press SETUP until RADIO 3 is displayed. Press key 3 to set the controller to communicate by Radio-Master protocol.

The MicroMaster controller is now set up to communicate with Radio-Master protocol.