

## INSTALLATION INSTRUCTIONS



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## Remote Display Model RD-1 & Manual Control Model MC-1

### INSTALLATION of RD-1

- 1) Fabricate a bracket or panel to mount the RD-1. Use the four 1/4" threaded holes in the back of the billet housing for mounting. **Important: Do not remove the one small phillips screw from the back of the display unit. This screw must be isolated from ground (must not touch any metal), make sure your bracket is cleared for this screw.** The billet housing should be grounded through the mounting bracket.  
It is **very important** that the RD-1 is positioned so that it is **aimed directly at the tower** when the car is sitting where the tower personnel read the dial-in. This means the RD-1 should be tilted back slightly and the bracket should be adjustable from side to side to match each track where you race. If you race at tracks that have towers on the left and right sides, you may wish to design the bracket so it can be moved from one side of the car to the other.
- 2) Wire the RD-1 as shown in the wiring diagram on the reverse side. Use at least 16 ga. wire for the RD-1. Use a 5 amp fuse in the +12 volt wire and run it directly to the master cut off switch. Run the ground wire to a solid chassis ground, do not use sheet metal or aluminum panels as they are not reliable grounds. If the billet housing is **not** grounded through the mounting bracket, wire a jumper lead from one of the mounting bolts to a chassis ground.
- 3) Connect the transmitting cable from the MC-1, CC-2, BM-2 or CC-3 to the RD-1 by inserting the cable end into the connector and then rotating the lock ring clockwise to lock it in place. Avoid any sharp bends in the transmitting cable, especially at the connectors.
- 4) If you are installing dual Remote Displays, mount and wire both like above. Contact Dedenbear to purchase a transmitting cable tee (part # RDCT) and install as shown in diagram on reverse side.

### INSTALLATION of MC-1

NOTE: If using a CC-2, BM-2 or CC-3 delay box to control your Remote Display skip to operation instructions.

- 1) Mount the MC-1 within reach of the driver of the driver so that changes can be made easily. The unit should be mounted away from heat, vibration and the ignition. Fasten with four #6 screws slightly compressing the rubber mounting grommets.
- 2) Wire the MC-1 as shown in the wiring diagram on the reverse side. Use at least 18 ga. wire for the MC-1. Use a 3 amp fuse in the +12 volt wire and run it directly to the master cut off switch. Run the ground wire to a solid chassis ground, do not use sheet metal or aluminum panels as they are not reliable grounds.
- 3) Connect the transmitting cable to the MC-1 by inserting the cable end into the connector and then rotating the lock ring clockwise to lock it in place. Route the cable to the Remote Display, avoiding the ignition system and any sharp bends in the transmitting cable especially at the connectors.

### OPERATION with MC-1

- 1) The display of the MC-1 shows what is being displayed by the Remote Display. To change the setting, press the up or down buttons. Each time you press the button, your dial-in will change by .01 sec. Holding down either button will scroll the setting. As night time approaches, a sensor in the Remote Display will automatically dim it's brightness.

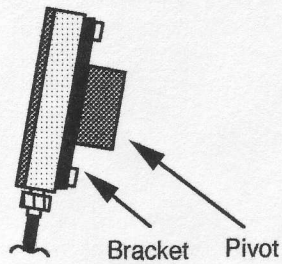
### OPERATION with CC-2, CC-3 or BM-2

- 1) The Remote Display will automatically display what is set in to the "YOUR E.T." setting of your CC-2 or BM-2 delay box. To make a change to this setting, press the "TBRK" button until the "SET UP MODE YOUR ET" screen comes up, and use the scroll arrows or the key pad to make the change. When the delay box returns to the "RUN" mode, the Remote Display will show the new dial-in. As night time approaches, a sensor in the Remote Display will automatically dim it's brightness.

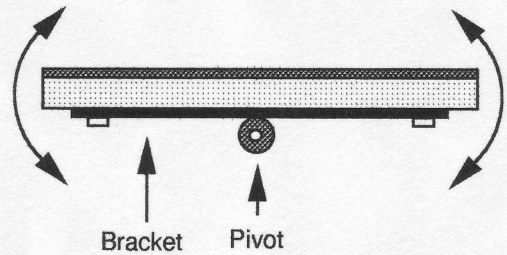
## MOUNTING THE RD-1

The RD-1 must be positioned so that it is aimed directly at the tower when the car is positioned where the tower personnel read the dial in. The RD-1 should be mounted so it tilts back slightly and the bracket should be adjustable side to side so that you can change it from track to track.

Side view of the Remote Display (tilt back slightly)

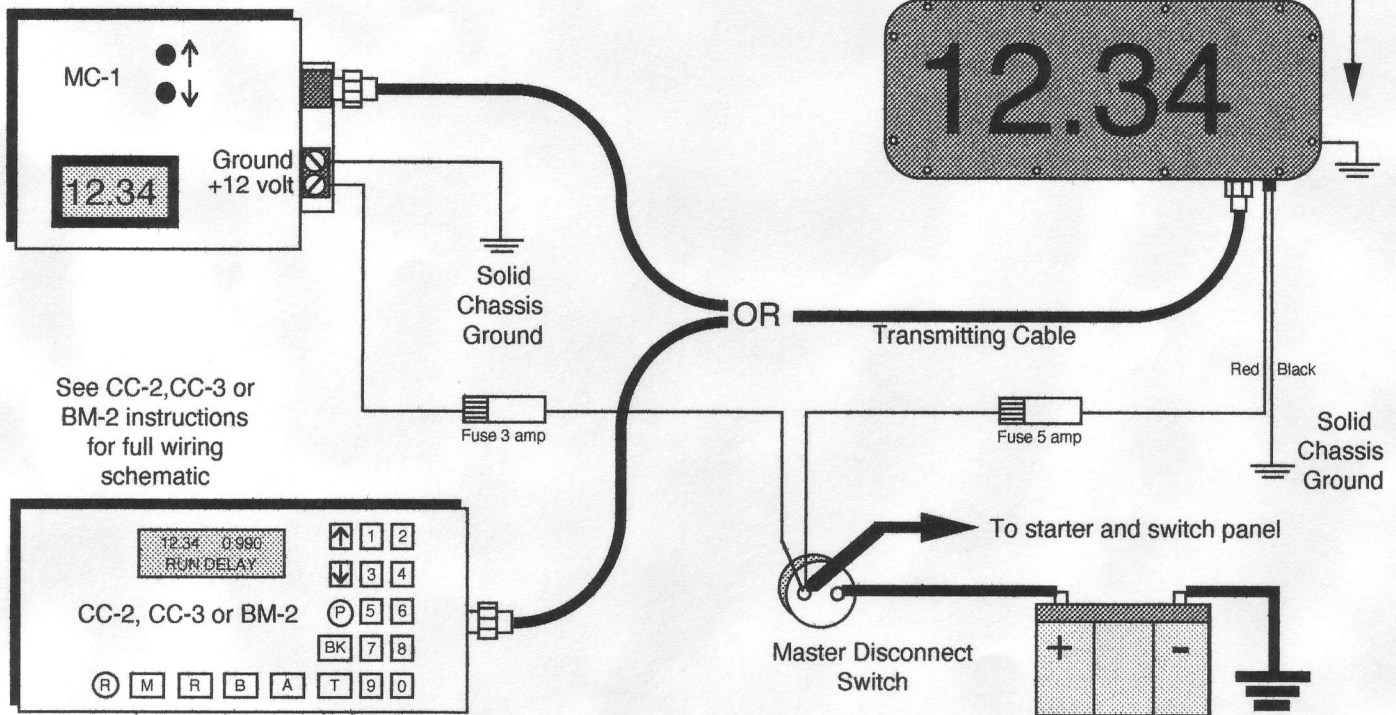


Top view of the Remote Display (bracket swivels)

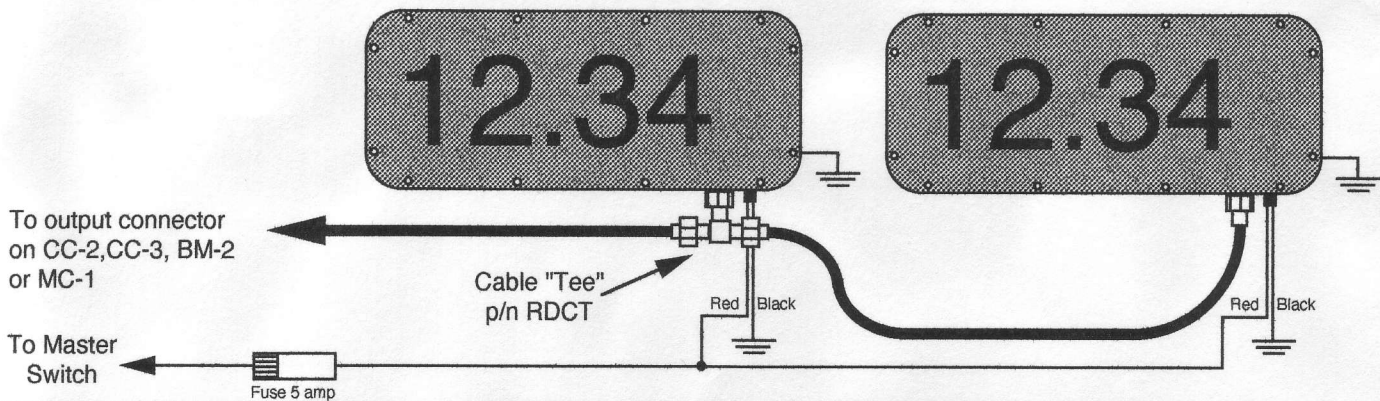


## WIRING FOR THE RD-1 & MC-1

**NOTE:** If the billet housing is not grounded to the chassis through your mounting bracket, make a jumper wire from one of the four mounting bolts to a solid chassis ground.



## WIRING FOR DUAL REMOTE DISPLAYS



## LIMITED 1 YEAR WARRANTY

Dedenbear Products components are warranted directly by Dedenbear Products against defective materials or workmanship under normal use and service for a period of one (1) year after purchase. Dedenbear Products will repair or replace the defective unit, at Dedenbear Products option, free of charge. This warranty does not cover any damage to the component caused by abuse, mishandling, alteration, accident, electrical current fluctuations, failure to follow installation/operating instructions, maintenance, storage and environmental conditions, acts of God, or repair attempts made by anyone other than Dedenbear Products Authorized Service facility. DEDENBEAR PRODUCTS SHALL NOT BE LIABLE FOR INJURY, CONSEQUENTIAL, OR OTHER TYPE DAMAGES RESULTING FROM THE USE OF ITS PRODUCTS, OTHER THAN THE LIABILITY STATED ABOVE. This warranty is in lieu of all other warranties of merchantability or fitness of use. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. **FOR SERVICE** on all Dedenbear Products, return directly to: DEDENBEAR PRODUCTS, INC. • ATTN: REPAIRS • 1917 OAK PARK BLVD. • PLEASANT HILL, CA 94523. Please include a note describing the nature of the problem, a copy of your original invoice, your name, return shipping address, and daytime & evening phone numbers where you can be reached.