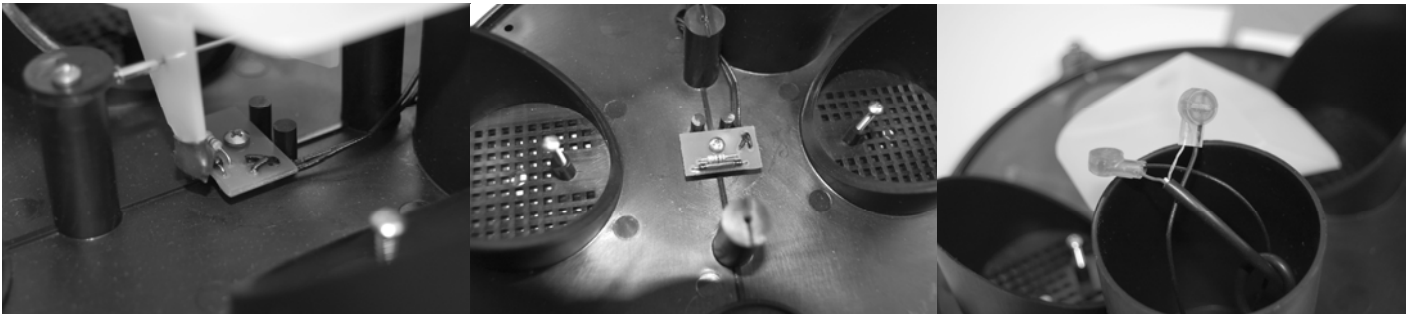


TECHNICAL BULLETIN NO. 20100331

March 31, 2010

SUBJECT Reed Switch Replacement Instructions

PRODUCT FAMILY Rain Collectors



1. Loosen the 4 Phillips head screws at the base of the collection bucket.
2. Twist the collection bucket counter-clockwise and remove it from the base.
3. Observe the tipper assembly and note the two axel supports holding it in position.
4. On top of each axel support is an eccentric washer with a screw holding it in place. Loosen and remove the washer on each support.
5. Remove the tipper assembly (tipper, axel and brass eyelets) being careful not to lose the eyelets.
6. Observe and remove the switch assembly by loosening the Phillips screw.
7. Cut the two wires on the existing switch assembly leaving approximately 2 in of each wire exposed on the base.
8. Place the new switch assembly in the same manor and position as the former assembly. Screw it into the base.
9. Replace the tipper assembly and eccentric washers.
10. The washers can be turned in conjunction to position the tipper with respect to the switch. The contact between each washer and eyelet allows for this positioning. Ideally, the distance between the magnet and switch should be between 1/4" and 1/8." Please see the picture for reference.
11. Once the position of the tipper is established, tighten the eccentric washers. Then should be some movement of the tipper on the axel, approximately 1/32"
12. Verify proper operation by replacing the collection bucket back on the base and pouring a small amount of water through the collector to facilitate tipping of the assembly. You will hear it tip. Each tip should account for a 1/100" increment on the counter or display.