

Your new **ZipZ™** board is designed to slide onto the electrical connection tab extending from a TORTOISE™ or SMAIL™. If you have purchased a 6-pack, first snap the panels into 6 separate **ZipZ™**. Older TORTOISE™s with the tan (slightly undersized) circuit board will be easier to center properly if a 1/4" piece of 0.040" x 0.080" styrene strip is ACC cemented into the corners of the edge connector. But they are not required. Just be careful to line up the pads with the contacts as you push it on. The 8 position terminal block makes connecting layout wiring easy and requires no soldering. We suggest making your wiring connections to the **ZipZ™** before attaching to the switch machine. The **ZipZ™** can be attached to the switch machine facing either way. Note that the numbers printed on the **ZipZ™** board may or may not correspond to the numbers on your switch machine depending upon which way it faces. You will need to back out the terminal block screws a couple turns with a small flat blade screwdriver before you can slip the wire into the clamp. Tighten securely and then tug on the wire to make sure it does not slip back out. The **ZipZ™** should accept solid or stranded wire between 14 and 26 gauges. After you have connected all your wires, make sure all power is OFF, then slide the **ZipZ™** onto the switch machine tab and push it all the way in. The edge connector on the **ZipZ™** is intentionally quite tight. You may find it easiest to start it on a slight angle and then rock it straight to push it home. If using on older machines, make sure the older (tan) boards are centered. Apply power and test the operation.

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