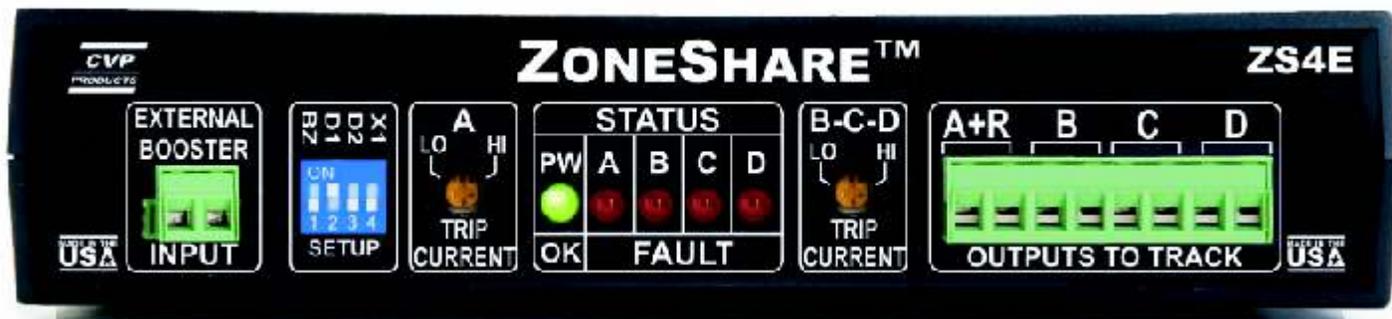


# ZoneShare™



Introducing ZoneShare - a great companion to the ZoneMaster Series. ZoneShare splits a single DCC booster output into four independent and circuit breaker protected track drivers. It works with all DCC boosters too.

**No power supply is required.** ZoneShare uses the power and signals directly from the source booster.

**Four independent track drivers.** Each output has its own protection and electronic circuit breaker. Any fault on one output will not affect the remaining outputs.

**One Output includes autoreverse capability.** The A output also features a built-in autoreverse function and has its own sensitivity adjustment. If you don't need autoreverse, then it becomes just another independent output.

**Four individual fault indicators.** Each output has its own fault indicator. A short or overload will light the indicator and sound the alarm buzzer making it simple and quick to pinpoint which zone has a problem.

**The buzzer can be turned off.** The front panel switches allow the buzzer to be turned on or off - whichever you wish. It can be changed at any time.

**It is plug and play simplicity.** There is absolutely no programming required and ZoneShare can go from the shipping box to running trains in the time it takes to attach the wires.

**Deluxe model features plug-able terminal blocks.** The deluxe version of ZoneShare is perfect for modular clubs and portable layouts. All connections are made to a terminal block that plugs into the front panel. The rugged plastic case, protective aluminum front panel and perforated metal rear panel protects the internal circuitry while providing plenty of flow through ventilation.

**Economy model for under-layout mounting.** Cost conscious users can get ZoneShare without the case. It is a circuit board only, assembled and tested, ready to mount under the layout. It has convenient screw terminals for all connections. Mounting holes make it easy to mount under the layout and its cool operation doesn't require heatsinks or fans.

**Works with all brands of boosters.** ZoneShare works along with any brand of DCC booster to create four separate and independent power zones.



ZoneShare Model ZS4X

ZS4E..... ZoneShare Deluxe Mounted In Case ..... \$179.95

ZS4X..... ZoneShare assembled but without case ..... \$129.95

Available Direct From CVP Products

Prices do not include shipping and handling

# ZoneShare™

**Using ZoneShare** - When you first built your layout, you may have initially used a single booster, like a ZoneMaster, to power the entire layout. But, eventually you'll want to divide your layout into power zones, each having an independent circuit breaker. Isolation is done by gapping both rails at each end of the power zone. For example, if a derailment and short circuit occurs, only those trains running in the affected power zone where the problem occurred will stop. The affected zone shuts down, the buzzer sounds and the appropriate fault indicator lights and stays that way until the problem is fixed. All other power zones are unaffected.

**ZoneShare works best in lightly loaded power zones or areas** - those areas that don't see lots of trains running through them under the control of more than one operator. However, for busy areas with lots of active locomotives, a yard for example, a dedicated high power booster, like a ZoneMaster-Single or ZoneMaster-Dual is best. But for smaller areas that don't need that much power, it is more economical to take a high-power booster and use the ZoneShare to divide its output into 4 separate and independent outputs.

**Imagine centers-of operation** when considering where to divide the layout. These can be a town, a yard or a branch line. These can each be fed by a ZoneMaster or a ZoneShare. The deciding factor is how much power, or numbers of locomotives, will be in the center of operation. If there will be a large number of locomotives, especially sound-equipped locomotives, a dedicated ZoneMaster is best. But if no more than a couple of trains will be operating, then the ZoneShare may be appropriate.

**Gaps can always be moved if you change your mind.** Remember you can always decide later to move the zone boundaries or gaps, combine zones or split zones. There is no hard and fast rule other than inconvenience. For example, if one operator derails in a town on one side of a scenery divider, his problem should not inconvenience a second operator on the opposite side of the divider. Neither will know who is causing the problem. It would be best to split the area into two separate power zones. By dividing a layout into power zones and using a combination of ZoneMasters and ZoneShares, you can economically provide power to your entire layout, regardless of size.

**ZoneShare** uses an existing booster, called the source booster, for both its power and its DCC signal. The source booster should only feed the ZoneShare and no other track or accessories. A fault on the source booster will shut down all of the zones powered by the ZoneShare.

**Peak track voltage is set by the source booster.** In other words, the ZoneShare output track voltage will be about the same as the source booster. It will never be higher.

**Maximum available current is set by the source booster.** For example, if the source booster is a 7 Amp ZoneMaster-Single, the ZoneShare can supply up to 7 Amps among all 4 outputs before the source booster trips.

**The ZoneShare trip current controls** are used to set the maximum available current before the outputs shut down. The range is from about 1 Amp (LO) up to about 4 Amps (HI). It can be changed at any time. The recommended setting is about mid position, which sets the trip point at about 3 Amps. Zone A has its own separate control. Zone B, C and D share a control.

**The short circuit shutdown delay** before the output is shutdown due to a fault is set by the D1 and D2 switches. The BZ switch disables the fault buzzer. Each zone has its own unique fault tone.

