

CONTROLLED POWER COMPANY

Rectifier Options: DC Transfer Switches

Available On: Series 30, Series 50, Series 70, and Series 1800/2400

In a metal finishing system where there are two (2) rectifiers per tank and where one serves as a primary and one as a backup, Controlled Power Company offers double-pole double-throw (DPDT) DC transfer switches that can route DC power from either the primary or the backup rectifier to the tank. If in the event there is a failure or service is required on one of the rectifiers, the switch can be turned in a matter of seconds and the line can start running again with very minimal down time. In addition, if there is a need to isolate the rectifiers from the tank, our DC transfer switches have provisions where maintenance personnel can lock the switch out using a hasp with padlocks, or a Kirk Key safety system (optional). In order to conserve floor space, the switch enclosure can be attached to the back of the rectifier. It is also available in freestanding or wall-mounted configurations as well. For 2 or 3 Zone E-coat applications, DC switches can be customized with additional positions for backing-up or switching between more than 2 rectifiers. Below is a diagram of a DC transfer switch used in a simple primary/backup configuration.

DC Transfer Switch Configuration (Cathodic System)

