Modernizing Door Operators with Limitless Closed Loop Control
MCE's SmartTRAQ Closed Loop Control compensates for variation that can cause other door operators to operate inconsistently. SmartTRAQ is self-correcting, so wind and temperature changes or even minor debris won't hamper door operation.

SmartTRAQ is smart enough to recognize that doors may have varied weights. It uses the force necessary to maintain a pre-set motion profile, so the heaviest doors will open and close as efficiently and as smoothly as the lightest. You'll see the same great operation with every set of doors – heavy, bronze-clad or lightweight doors.

Cruise Control for Your Door Operator
Closed loop control constantly monitors the speed and position of the doors, and compares this data to predefined opening and closing profiles. Constant monitoring of both position and velocity is “closing the loop.” It works like a car’s cruise control – you set a particular speed and it constantly adjusts the throttle to ensure your car travels at the desired speed.

Motion Profile
SmartTRAQ’s closed loop control system controls more than just the speed of the doors; it controls the entire motion profile – everything the doors must do to open, close, or nudge. The control system determines what force is necessary to make the door operator conform to the motion profile and then controls motor current accordingly.

Limitless Operation
SmartTRAQ’s “limitless” design can dramatically reduce installation time, recurring maintenance, and troublesome mechanical problems associated with existing electromechanical limit switch adjustment.

Improved Reliability
SmartTRAQ’s closed loop control varies force as needed to operate doors. Minor debris in the track, wind or other changing atmospheric conditions won’t cause doors to stop or slow down.