



An optional feature for the Series 8000 Swing Door Operator systems is an internal clutch/brake to maintain door position at the full-open and/or full closed position(s). This electro-mechanical unit is integrated within the encoder assembly and will hold door position with 90 ft-lbs. torque. If forces are applied to the door which exceed this force, the clutch feature of the unit will allow rotation without physical damage to the operator.

The Clutch/Brake is Fail-Safe, i.e., loss of power to the operator will release the brake and enable manual operation of the door.

Support for the brake is included in the operator's control software and can be accessed with either a FPC 902 Flash Programmer or a Display Control Panel. The controlling parameter is located in Parameters / Drive / Brake menu, and can be programmed to operate in one of four modes -

1. Disabled - The brake will not engage at any time;
2. Close - will be engaged only in the door closed position;
3. Open - will be engaged only in the door open position;
4. Open/Close - will be engaged in both full open and full closed positions.

Note: If "Manual Closing" is enabled in the unit's parameters, the brake will not engage in the full-closed position.

An operator with the clutch/brake installed can be configured for power-close, spring-open operation, a common configuration for smoke evacuation doors. The parameter to set this configuration is found in the Parameters / Drive / Inverse menu.

As the brake assembly is integrated into the motordrive/encoder assembly, it is not designed to be retrofitted into an existing operator. A visual indication of its presence is a two-conductor black connector connected to the operator control as shown below.

For additional details, please consult the factory.

