



**DASMA**  
Door & Access Systems  
Manufacturers Association  
International

OPERATOR & ELECTRONICS DIVISION

# TECHNICAL DATA SHEET

## #375

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## Motor Operated Commercial Sectional Doors and Rolling Doors: Typical Installation Concerns

### INTRODUCTION

Door/operator dealers usually install motor operated commercial sectional doors and rolling doors; however, companies other than door/operator dealers usually install the electrical service for those doors. Coordination between door/operator dealers and other companies is essential for safe, effective motor operator installation. This Technical Data Sheet provides recommendations for the general contractor, the electrical contractor, and the door/operator dealer. In all cases, the installation instructions of the manufacturer of the operator must be followed.

**▲WARNING** – To reduce the risk of severe injury or death, it is essential that operators be installed properly according to manufacturer's instructions.

### OBJECTIVE

The objective of this Technical Data Sheet is to provide items to consider regarding motor operated commercial sectional door and/or rolling door installations. This is accomplished by giving some examples of installation problems along with suitable solutions for the electrician and/or the door installer.

### EXAMPLES OF INSTALLATION PROBLEMS

- **The door sensing edge does not work at all or is not performing its intended function.**

Solution: The door sensing edge is intended to stop or reverse the door during the down cycle. Incorrect wiring of the sensing edge is the likely cause. The electrician or the door installer must correct the wiring as shown on the particular door operator wiring diagram and

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**Note: Technical Data Sheets are information tools only and should not be used as substitutes for instructions from individual manufacturers. Always consult with individual manufacturers for specific recommendations for their products and check the applicable local regulations.**

This Technical Data Sheet was prepared by the members of DASMA's Operator & Electronics Division Technical Committee. DASMA is a trade association comprising manufacturers of rolling doors, fire doors, grilles, counter shutters, sheet doors, and related products; upward-acting residential and commercial garage doors; operating devices for garage doors and gates, sensing devices, and electronic remote controls for garage doors and gate operators; as well as companies that manufacture or supply either raw materials or significant components used in the manufacture and installation of the Active Members' products.

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the sensing edge manufacturer's wiring diagram. Keep in mind that the door sensing edge should function during the down cycle and not during the up cycle. See [DASMA Technical Data Sheet #368](#) for further information on sensing edges.

- **Electrical service installation was started before the door was completely installed, creating a potential safety hazard.**

Solution: The door installer should coordinate electrical installation with the electrician to reduce or eliminate hazards related to electricity.

- **An operator was not adequately fastened to a hollow masonry wall; i.e., expansion anchors are used in hollow masonry walls.**

Solution: The door/operator installer should replace the anchors with those approved by the operator manufacturer. Thru-bolts should be used in hollow masonry walls.

- **The operator wiring diagrams do not match the operator on the job site.**

Solution: Contact the operator manufacturer at once for the proper set of wiring diagrams. Installers should never use diagrams other than those intended for the operator to be installed.

- **The electrical service was routed under a rolling steel fire door drop arm, possibly preventing the arm from functioning correctly.**

Solution: The door installer should test the door after electrical service is installed. If interference occurs with the door, the electrical service will need to be moved to clear the door.

- **The release device for a rolling steel fire door was supplied without installation instructions.**

Solution: Contact the manufacturer for the proper set of installation instructions for the release device. Proper operation of the release device is critical to the fire protection of the building. Manufacturer's instructions should be followed for the installation of all release devices.

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