



Sensors

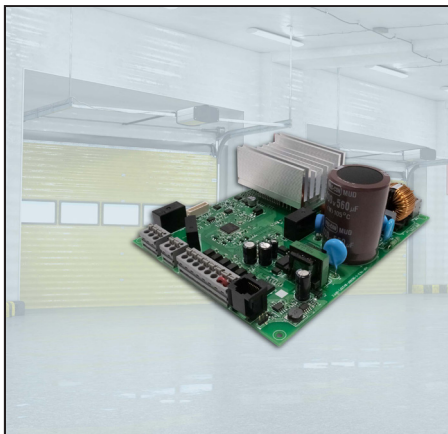


Switches



Controls

Application notes



Application Note : January 2022

Market involved : Industrial Doors

Product : RVDS

Customer : OEMs

Subject : Control of the industrial rolling doors

CUSTOMER ISSUE :

Industrial rolling doors are used in many production sites to separate areas. The main operating features are door direction control, fast/low speed, and rapid stopping in case of an emergency stop.

This is a very price sensitive market and OEMs need to have competitively priced variable frequency drives that also take minimal space in their enclosure.

Ease of installation is an additional requirement since OEMs can benefit from considerable cost savings.

OUR SOLUTION :

The RVDS is a single-phase input variable frequency drive tailored for industrial door applications. It is designed with very compact dimensions allowing it to fit into enclosures with very limited spaces.

Through the 5 programmable digital input, the RVDS offers a high flexibility to accommodate different configurations like: direction control, multi-speed operation, emergency stop and management of emergency brake. In addition to the above, the RVDS is a time saving solution during installation, by using push-in connectors for both power and auxiliary connections. Its configuration is also less complicated compared to competitor solutions since there are less parameters to configure. The RVDS is designed with a fan-less concept making it less sensitive to dusty environments.

BENEFITS :

- **Space savings** – thanks to a compact footprint
- **Installation time savings** – with push-in terminals
- **Flexible configuration** – 5 programmable digital inputs
- **Ease of configuration** – limited set of configuration parameters
- **Suitable for high inertia doors** – manages external braking resistor
- **More robust to dusty environments** – thanks to its fan-less design