

# PRESS RELEASE

## Robust pre-assembled panel systems for pumping applications

*15 November 2018: A complete range of robust pre-assembled irrigation and solar pump panel systems are available from leading supplier ElectroMechanica (EM) for a wide range of pumping applications.*

The range of pump panel systems from EM not only reduce energy costs, but also conserve water and maximise productivity, comments Automation Manager **William Cameron**. Additional benefits are automatic 'sleep' and 'wake' functions, and enhanced motor and pump protection such as Class II surge protection.

"Using Huba's 528 pressure transducers, and Delta's CP2000 pump-purpose drive, creates a robust combination that is exactly what the industry demands," Cameron stresses. The drive's customised keypad layout means operational data is displayed on one screen, while sub-menu settings are easy to navigate.

The pump panel systems are enclosed in weather-tight sheet-metal enclosures that are available in various sizes and variations, depending on the particular requirements of the installation. The uncluttered panel layout means there is sufficient working space in order to simplify installation, commissioning, and servicing.

Preconfigured Variable Speed Drives (VSDs) reduce the energy drawn by the pump motor controlling the speed, while maintaining a constant pressure on the line. This is critical in terms of overall efficiency, as even a small reduction in speed result in significant cost-savings.

The standard features of the irrigation pump panels are: a panel mount isolator, drive and control circuit breakers, power and control terminals, manual off/automatic selector switch, run and trip indication, cooling fans and vents, and a rotary setpoint selector.

Typical applications are irrigation, domestic water supply, fish farming, water livestock, solar-powered fountains, sprinklers, misters, and soakers, ground dewatering for excavation, and construction sites.

The standard features of the solar or photovoltaic pump panels are: a multi-status indicator lamp, an on/off selector switch, DC fuse protection (including a spare), no-flow input and underload protection, and maximum power point tracking software and manual override.

With virtually every panel builder in South Africa using ubiquitous technology distributed exclusively by EM, the supplier continues to build on its strategy of providing the right product at the right price, for the correct application and specification at hand.

Cameron concludes that the niche irrigation and solar pump panel system market is aimed at not only diversifying into additional markets, but to be able to offer the full benefits of its latest technology and products to the full spectrum of South African industry.

**Ends**

### Notes to the Editor

To download hi-res images for this release, please visit <http://media.ngage.co.za> and click the ElectroMechanica link to view the company's press office.

### About ElectroMechanica

ElectroMechanica was established in 1984 by David van den Berg as a specialised direct importer

and wholesale distributor of high-end industrial electrical products, motor control switchgear and electronic automation products. A wholly-owned South African company, ElectroMechanica offers its clients state-of-the-art products, sourced from leading local and international brands, all complying with recognised international safety standards and performance specifications.

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