



## **MICROPOWER INSTRUMENTATION (PTY) LTD.**

ENCODERS, DIGITAL MEASURING INSTRUMENTS,  
LINEAR MEASUREMENT TRANSDUCERS

### **PROFILE OF MICROPOWER MODULEK (Pty) Ltd**

#### **Introduction**

Micropower Modulek (Pty)Ltd is a reputable manufacturer and supplier of HVAC and Access Control systems. Micropower's staff and customers have installed over 5000 controllers in over 100 locations, at least 50 being premier locations. Micropower's controllers have been exported to the USA and Australia.

#### **Location**

Founded in 1985, Micropower currently designs and manufactures Building Management Systems and imports Control and Instrumentation products. These products are supplied to a broad range of industries. It also provides project management, installation and commissioning services. Micropower's head office is in Kya-Sands, Randburg near Johannesburg, with regional distributors in Witbank, Secunda, Port Elizabeth, East London, Cape Town and Kwa-Zulu Natal.

#### **Installations**

Micropower has been designing and manufacturing controls for the air-conditioning industry for over 20 years. We have a range of controllers that have evolved over this period that is attractive, robust and reliable. Our controllers have operated reliably at a number of installations for over 15 years thereby making them extremely cost-effective over the life-cycle. We have installed our controllers at premier locations throughout South Africa, e.g. Standard Bank Head Office, Compensation House, Arabella Hotel and The Reserve Bank.

Micropower has alliances with a number of manufacturers of Access Control equipment and we can therefore supply premium brands. We supply equipment from Sagem Defense Securite, HID Corporation, Access 2000, and Softcon.

#### **Empowerment Credentials**

Micropower is under new management (from January 2005) with Sagarán Nair at the helm – and now joins a small group of control and instrumentation companies that are 100% black-owned. Sagarán has received his MSc(Elec Eng) from University of Witwatersrand and has had 21 years experience in Industrial Electronics, including being Deputy CEO of Anglo American Electronics Lab for several years before joining various business enterprises. His experience includes, electronic design work (analog, digital and microprocessor), IT services, project management, business development and management – and running his own company.

#### **Staff**

Micropower's Head Office at Kya-Sands, Randburg houses 16 staff members. The company exceeds the employment equity target of 70% as laid out in the BEE Codes of Good Practice gazetted in February 2007. The staff are well-trained and we typically provide in-service training for 2 Engineering students every year. This has the dual function of assisting the students in obtaining their diploma as well as bringing in fresh ideas from the academic world into the company.

Many members of staff have been with the company for over 15 years. Key staff on the Building Management Systems division are the Production Manager, Ben Adelsky; Senior Design Engineer, Derek Rowbotham; Consultant, Richard Walton and Quality Control Manager, Ricky Govender.

Ben Adelsky has been with Micropower for 21 years. He has a diploma in Electrical Engineering and spent many years with the Rhodesian Railways' Centralised Train Control before joining Micropower. Ben has been involved with every Building Management Systems project that the company has completed and is well known and respected in the industry.

Vaughn Venter is the Manager – Projects. He has a N5 Diploma in Electronics. Vaughn has considerable experience in Access Control and Industrial Electronics. He has been with Micropower for 8 years.

Derek Rowbotham is the Senior Engineer – Building Management Systems. He has a diploma in Electronics. He has been with Micropower for 6 years and is au fait with most control products in the Building Management Systems industry.

Richard Walton is the founder of Micropower. He has 20 years experience in Industrial Electronics and Building Management Systems. He currently consults to the Building Management Systems industry in general and more specifically to Micropower.

Ricky Govender is the Quality Control Manager. He has a diploma in Electronics Engineering from the Durban Institute of Technology, formerly Natal Technikon.

### **Corporate Responsibility**

The management at Micropower is acutely aware of the company's responsibility as a corporate citizen and has chosen to become actively involved in Gauteng's Orphanages and safe houses.

### **Products and Services**

Micropower employs teams of qualified technicians to install and commission Building Management Systems (Access Control and HVAC systems). We are capable of designing the system that you require.

Micropower has designed and manufactured HVAC controllers for over 21 years. Interestingly, Micropower's controllers were originally designed to meet Spoomaker and Partner's stringent specification and still meet highest standard. The current range of controllers has evolved from controllers that have proven their reliability in the field. A number of our original installations, i.e. 15 to 20 years ago, are still in place and we still provide replacement and maintenance for them. Micropower has a broad range of stock products but we have a also have a reputation of tailoring our control systems to the client's requirement. Micropower supplies controllers for variable air volume units, fan coil units, and pressure dampers. The company stocks stand-alone units as well as networked units. The two protocols that are supported are Johnson's Metasys N2 and BACNET.

Micropower also represents Kreuter Manufacturing Company in South Africa. KMC is based in the United States of America and has a wide range of fire detection and air-conditioning control products.