

• Commercial • Municipal • Industrial

Metro-Tech



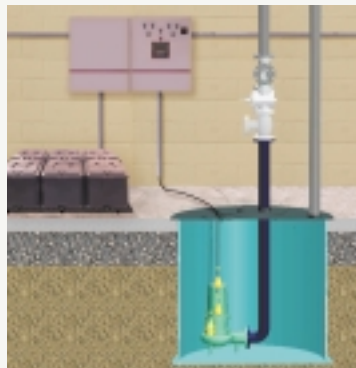
Commercial Variable Speed Packages



Motor Control Centers



Constant Speed Packages



Industrial Auxiliary Power



Municipal Control Packages

Custom Control Specialists

Metropolitan Industries can build products under the following UL categories:

- | | | |
|-----------------|--|--|
| UL 508 (Type L) | UL Listed control equipment | UL Listed battery chargers |
| UL 698 (Type R) | UL Listed intrinsically safe control equipment | UL Listed packaged pump systems |
| UL 913 (Type L) | UL Listed programmable controllers | UL Classified commercial & industrial buildings to NEC |

COMMERCIAL

COMMERCIAL CONTROL SOLUTIONS

Custom Commercial Control Packages

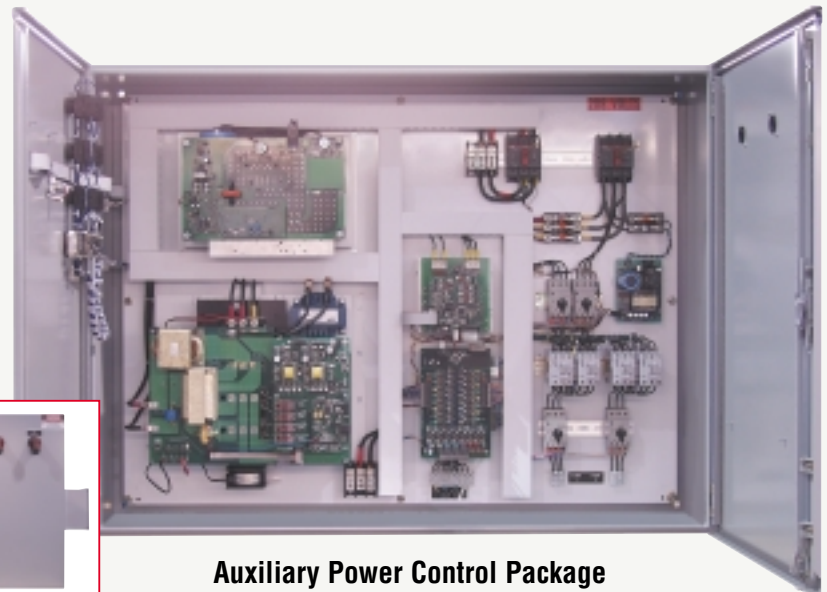
Metropolitan Industries, Inc. has forty years experience in the design, manufacture, installation and service of commercial controls for water booster systems and sump and sewage applications. Our experience covers everything from small high-rise buildings to well-known and famous skyscrapers. Working one on one with a sales engineer, you choose from constant speed or energy-saving variable speed controls that will meet the demands of your application. We offer the Metro-Tech, which is our standard and affordable variable speed controller for booster systems that coordinates pump operation; pump sequencing and set point control resulting in a truly affordable and highly advanced microprocessor system. We also offer the Intellipump used in sump and sewage controls that utilizes "smart pump" technology that recognizes inoperable float switches and pumps and then compensates for them to ensure reliable operation.



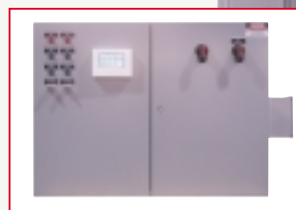
Metro-Tech Control System

Commercial Control Options

- Auxillary Power Control
- Intellipump for Constant Speed Control and/or Mechanical Pump Alternating Float Analysis
- Level Management Control
- Reservoir Level Control
- Alarm Relay Panel
- Remote Monitoring
- Touch Screen Control
- Boost Mode for use with a Storage Tank
- Flow-Monitoring System
- Differential Pressure & Temperature Control



Auxiliary Power Control Package



Universal Control Accessories

LMS400

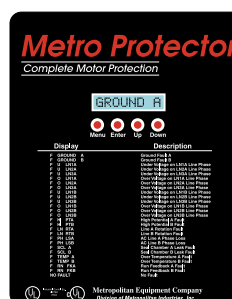
Level Management Controller



- Operates 1 to 4 pumps
- Controls increasing or decreasing levels
- High level and low level alarms
- All adjustments in 3" increments
- Calibration with a touch of a button
- High intensity LED display
- Microprocessor based design

METRO-PROTECTOR

The Ultimate Protection for Electric Motors



- Protects one or two motors with state-of-the-art microprocessor technology
- Easily retrofitted to existing motor control systems
- Works on all supply voltages –US and International
- Fully automatic operation
- Made in U.S.A.

MUNICIPAL

MUNICIPAL CONTROL SOLUTIONS

Custom Municipal Control Packages

Metropolitan Industries, Inc. has over forty years experience in the design, manufacture, installation and service of municipal control solutions. This experience covers everything from basic control panels to very complex and sophisticated control systems. Highly trained engineers and technicians will design and build you the most advanced control system available. Working one on one with a sales engineer, a control package is designed to meet your requirements or an existing control system can be retrofitted to meet today's demands. There are many control options available to ensure all of your needs are met.



Municipal Booster Control Packages

Municipal Control Options

- Constant or variable speed
- Automatic or manual transfer to emergency power sources
- Elapsed time meters
- Local visual and audible alarms
- Single or multi-function telemetry or SCADA
- Flow metering
- Solid-state programming
- Controls can be U.L. listed
- PLC Replacement
- Touch screen control



Pad Mounted Control Packages

INTELLI-PUMP

Smart Pump Controller



- Duplex float switch alternator
- Duplex mechanical alternator
- Duplex constant speed controller
- Provides start delays
- Determines pump availability for service
- Generates Alarms
- Self-Diagnostic
- Alternates Pumps

METRO-DATA

Instant Management of Your Entire System



- No limits on application size
- Print reports weekly, monthly, or annually
- Follow pump trends, kW consumption, tank levels, chlorine usage, etc. for long term planning
- Remotely change equipment operation, sequencing, pressure operation, flow operation, etc. via modem, radio or cellular link
- Custom graphics software allows exact reproduction of monitored sites on your PC screen
- Commercial and municipal applications

SCADA

Supervisory **C**ontrol **A**nd **D**ata **A**cquisition Systems

In the last two decades, SCADA has developed at a rapid pace. Metropolitan Industries, Inc. was there, from SCADA's inception in the late 1980s, working to keep up with new developments and technology so we always offered the end user the most current and state-of-the-art SCADA features and capabilities on the market. We offer the most advanced and current communication technology available.

SCADA Communication Options:

Logic Trunked Radio (LTR Repeater)

Privately owned logic trunked radio systems can be used to connect multiple sites together that are miles apart. It enables locations to share data and broadcast messages to each other over a centrally located radio repeater tower. This method of wireless transmission is especially useful in areas with peaks and valleys or where each communication must be heard by every point in the system, every time.

Spread Spectrum Radio

Spread spectrum radios can be installed to connect systems wirelessly without monthly fees or reliance upon outside broadcasting stations. They split up serial data and send it over multiple frequencies, where the receiver radio merges the pieces and passes it along to the intended node. With line-of-sight antennas, these radios can securely patch together sites that are many miles apart.

Cellular Digital Packet Data (CDPD)

If CDPD is available in an area where radio connectivity is needed, this can be a simple way of securely connecting hundreds of locations with minimal installation effort. CDPD modems take advantage of the existing Internet and cellular networks to join systems that could be thousands of miles apart. It also allows for external Internet connections for remote access via personal computers, as well as other Internet-enabled devices. This makes possible such timesaving methods as email reports, over-the-Internet control, etc.

Monitor Vital Information



Control with Ease



View Alarm Activity



Archive System Data



View Entire Network



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