



## *LOW PROFILE SWITCHGEAR & SERVICE PEDESTALS*

*Designed for Industrial Use, Durability, Aesthetics and Flexibility*

**TESCO**<sup>®</sup>  
**CONTROLS, INC.**

Slimline & Low Profile TescoFlex<sup>®</sup> Pedestals & Switchgear  
Self-Contained Battery Backup Systems

# TESCOFLEX® The Established Standard

## Industrial Pedestals & Low-Profile Switchgear

### *Durability, Compactness, Aesthetics, and Flexibility*

In 1972, Tesco Controls, Inc. introduced a simple, innovative, low profile enclosure to distribute underground electric power for a wide variety of municipal applications.

TESCOFLEX® Pedestals were a new concept, compact, low in profile and aesthetically pleasing. They have since become an established national standard, and will withstand the test of time in the harshest environments.

TESCOFLEX® Pedestals and Low-Profile Switchgear are fabricated from high quality, hot dipped galvanized steel. Stainless steel and aluminum are available.

The coating system begins with a 5-step pre-treatment followed by electrostatically applied polyurethane baked-on powder. TESCOFLEX® Pedestals and Low-Profile Switchgear are used in power distribution and metering for 0-600 volts; single phase, or three phase for:

- Street Lighting
- Parking Lot Lighting
- Traffic Signals
- Battery Backup
- Landscape Irrigation
- Storm Water Lift Stations
- Waste Water Lift Stations
- Water Pumping Plants
- Telephone Demarcation
- Athletic Field Lighting
- Tennis Court Lighting
- Flashing Beacon Controls
- Cellular
- Safety, Security and Surveillance
- CATV Termination Enclosures
- Airport Beacon Systems
- Residential Applications

Nearly limitless applications and innovative engineering flexibility assure a long future for TESCOFLEX® Pedestals Low-Profile Switchgear.



- ✓ *Small, slim and attractive with no exposed fasteners*
- ✓ *Fabricated from hot dipped galvanized sheet steel*
- ✓ *Also available in stainless steel or aluminum*
- ✓ *Durable all welded construction*
- ✓ *Vandal proof doors with stainless steel hasp, stress rated to 2,000 lbs.*
- ✓ *Oven baked polyurethane powder coated finish for lasting durability*
- ✓ *Available both unmetered and metered*
- ✓ *UL approved copper cable bussing and control wiring*
- ✓ *Constructed in compliance with NFPA 70-E & NEC*
- ✓ *Each cabinet is factory wired and tested before shipment*
- ✓ *UL 508A Industrial Control Panel*
- ✓ *Approved by all electrical utilities*

TESCOFLEX® low-profile, underground service distribution and control pedestals have become the standard for state, county, municipal, highway and public works departments. The concept of providing the utility metering and pull section, power distribution and auxiliary control devices as an integral, specifically engineered enclosure was developed by Tesco Controls, Inc. in the early 1970's. A wide range of sizes and options allows maximum utilization of space.

TESCOFLEX® Pedestals and Low-Profile Switchgear are constructed of the highest grade material, be it our standard 12 gauge hot-dipped galvanized steel, optional stainless steel or aluminum. Our coatings will withstand the most stringent testing applied to outdoor enclosures, and meet or exceed state specifications.

## LOW-PROFILE PUMP CONTROL APPLICATIONS

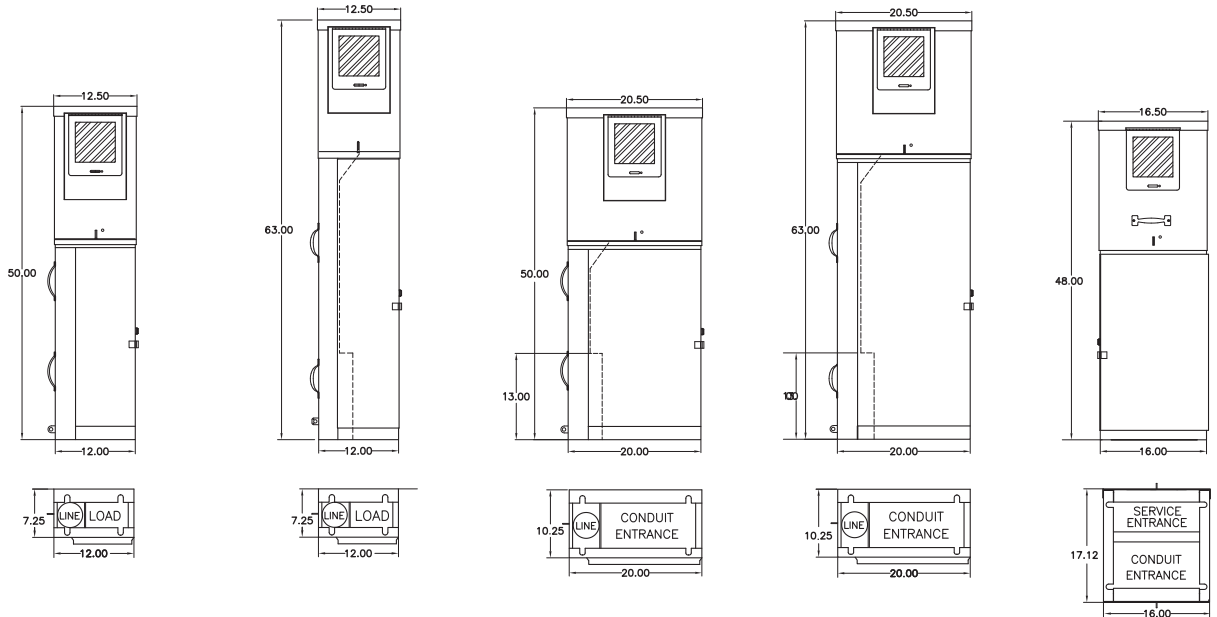


TESCOFLEX® Low-Profile Switchgear also provides a self-contained pumping system that includes:

- Utility Pull Section & Metering
- Control Power Transfer
- Panel Board
- Pump Control Section
- Telemetry Section

All compactly packaged in an aesthetically pleasing, low-profile enclosure.

# LOW-PROFILE SLIMLINE INDUSTRIAL PEDESTALS



** Reverse Service Available	26-000 Type IIIAF **	26-100 Type IIIAF **	27-000 Type IIIAF **	27-100 Type IIIAF **	28-105 Type IIIBF **
Meter Socket	100 AMP	100 AMP	Up to 200 AMP	Up to 200 AMP	Up to 200 AMP
Test By-Pass	YES	YES	YES	YES	YES
Max 1" Poles Includes Main CB	7	14	14	28	12
Metered & Unmetered	YES	YES	YES	YES	YES
Meets EUSERC Requirements	YES	YES	YES	YES	YES
Copper Interior	YES	YES	YES	YES	YES
P.E. Socket	YES	YES	YES	YES	YES
Lightning Contactors	YES	YES	YES	YES	YES
Flashing Beacon Controls	YES	YES	YES	YES	YES
Time Clocks	YES	YES	YES	YES	YES
Time Delays	YES	YES	YES	YES	YES
Transformers*	YES	YES	YES	YES	YES
Test Switches	YES	YES	YES	YES	YES

\* Consult Manufacturer to Verify Space Requirements





## Custom Cabinet Options

8 Standard colors

Unlimited custom colors

Match to existing panels

Anti-graffiti finish

Aluminum construction

-Anodized or powder-coated

Stainless Steel

NEMA 3R, 3RX, 4, 4RX

Vandal-proof options- keyed locks,  
3pt latches, Abus latches, handle shrouds,  
reinforced bases

Custom sizes



## **BATTERY** *BACKUP*

*Designed to provide hours of constant, consistent, power*

**TESCO**<sup>®</sup>  
**CONTROLS, INC.**

Self-Contained Battery Backup System  
Model 22-BBS

# TESCO CONTROLS MODEL 22-BBS

## Fully Self-contained Battery Backup System



The TESCO Model 22-BBS is a self-contained traffic signal battery backup system, appropriate for retrofit projects or brand new installations. It has become the standard for hundreds of agencies and departments of transportation throughout the United States and Canada.

Our 22-BBS battery backup system is designed to provide hours of constant, consistent power through weather outages and other disturbances, delivering safety for drivers and law enforcement officials under previously hazardous conditions.

TESCO manufactures many different BBS models, each meeting our customer's needs due to varying municipal and DOT standards such as the Model 24-200 dual meter BBS system, and the Model 27-22 back-to-back metered service pedestal and BBS system. Of course, all of them are constructed with the renowned TESCO standard of quality with features like NEMA rated cabinets, UL 508A design, all-welded aluminum construction with stainless steel hardware, and wired to conform to NEMA, NEC and UL standards.

Call Tesco Controls or visit our website at [www.TescoControls.com](http://www.TescoControls.com) today to schedule a demonstration and discover how you can rid your area of unneeded, unnecessary and unsafe traffic signal power outages.

## FEATURES

- ✓ Retrofit and new installations
- ✓ 24V Parallel Hot Swap System
- ✓ UL 508A Procedure
- ✓ Metered combination or standalone
- ✓ Vandal Resistant

**TESCO**  
CONTROLS, INC.

O 916.395.8800 Ext. 2167  
C 916.765.0523  
F 916.403.0013

8440 Florin Road  
Sacramento, CA 95828

[www.TescoControls.com](http://www.TescoControls.com)

**Curt Vasey**

National Sales Manager  
Transportation Division

[cvasey@tescocontrols.com](mailto:cvasey@tescocontrols.com)



56  
Schedule  
Contract GS-07F-0513X



## UPS Panel Features

- ✓ Retrofit and new installations
- ✓ Pad mounted enclosures
- ✓ Metered or unmetered applications
- ✓ Compact design with ambient enclosure compensation
- ✓ UPS Tilt-out housing for ease of maintenance
- ✓ Seismic-rated framed battery shelf
- ✓ Safety dead front panel
- ✓ Components wired and conforming to NEMA, NEC and UL standards
- ✓ Optional Gen Set with available automatic / manual transfer switch
- ✓ Tool-free maintenance and component replacement

## UPS System Features

- ✓ 2000VA / 1300 Watts Standard
- ✓ Typical run time 6 to 12 hours full operation, based on actual load
  - all LED inter-section (Additional times available)
- ✓ 3 hour recharge time to 90%
- ✓ Full power bypass and isolation switches
- ✓ True pure sine wave
- ✓ Transient voltage protection
- ✓ Smart Power Analyzer with triple redundant bypass
- ✓ Conditioned power
- ✓ Power Conflict Monitor with isolation and transfer module
- ✓ Smart slot communications I/O module
- ✓ RS-232 and USB ports for local or remote monitoring
- ✓ Intelligent battery management system with microprocessor controlled smart battery charger, automatic self-test, cell guard for longer life and faster recharge times
- ✓ Optional IP addressable web SNMP communications.
- ✓ 24V 20AH batteries AGM/VRLA (absorbed glass mat/valve regulated lead acid) compact, lightweight only 26 lbs
- ✓ Quick hot-swappable battery replacement system
- ✓ Heavy duty smart safety battery connection system, 50A silver plated plugs
- ✓ Standard system contains 6 batteries (108AH accumulative)
- ✓ Manufacturer's 2 year warranty

## Cabinet Construction

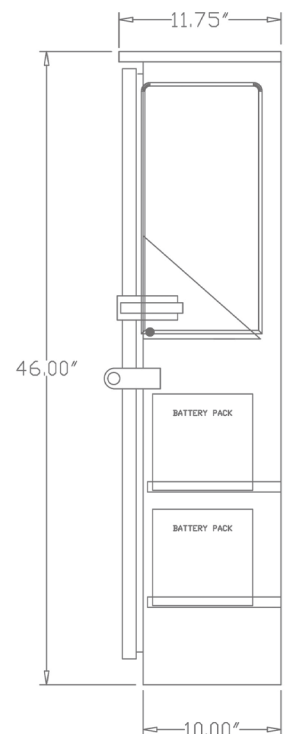
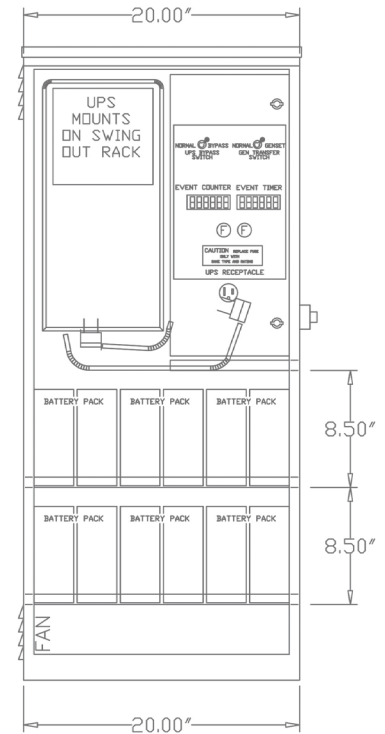
- ✓ Cabinet is all welded construction, fabricated from stainless steel, anodized or powder-coated aluminum. Rated weatherproof NEMA 3R.
- ✓ All fasteners, latches, hinges, and hardware are stainless steel
- ✓ Cabinet door is fully framed continuous hinge with swaged close tolerance sides for flush fit with top drip lip and closed cell neoprene flange compressed gaskets
- ✓ Dimensions and construction will match existing service pedestal
- ✓ UL 508A industrial control panel design
- ✓ Vandal proof construction with vandal proof doors and hasp stress rated to 2000 lbs
- ✓ Each cabinet is factory wired and tested before shipment
- ✓ Ambient temperature enclosure compensated
- ✓ No exposed nuts, bolts, screws, rivets or fasteners on exterior of enclosure



# TESCO CONTROLS MODEL 22-BBS

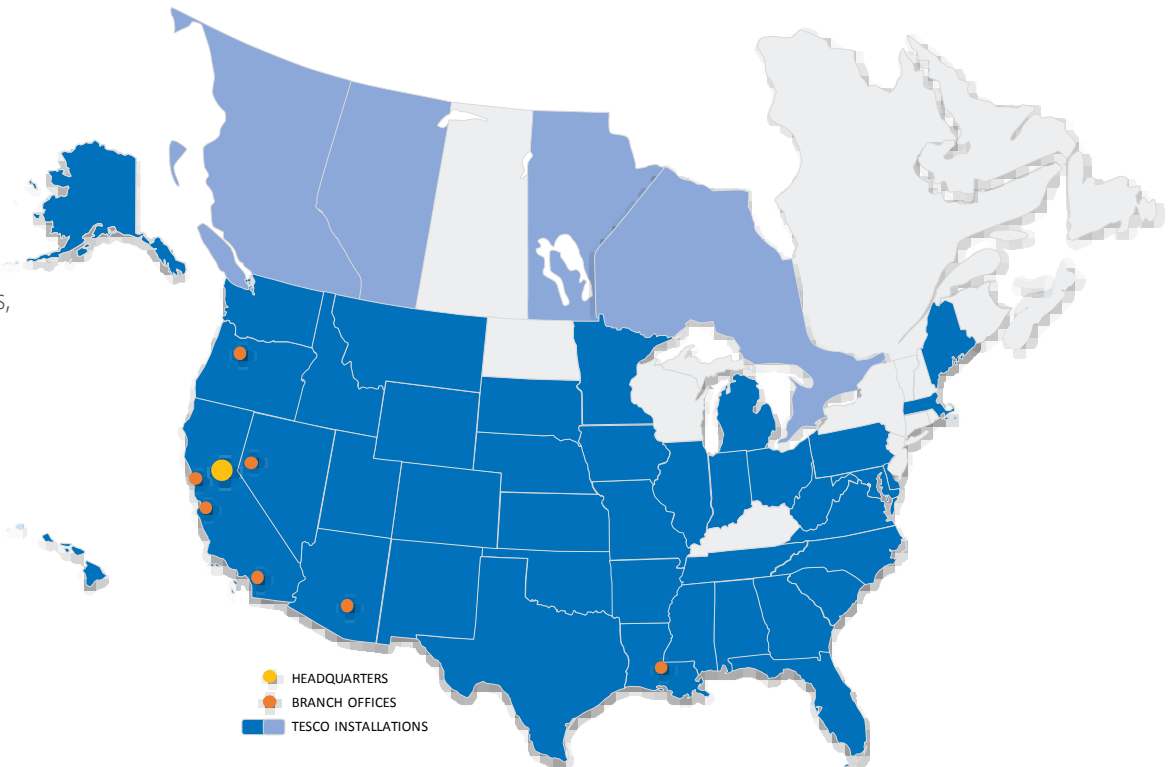
## SPECIFICATIONS

Transfer Time (typical)	<2-4 ms, includes detection time
Transfer to Flash	On Battery
	Low Battery
	Timed Output
On-Battery Output Voltage	True pure sine wave output at 120 VAC +/-5%, -10% after low battery warning, synchronized to utility line.
Capacity (Volt-Amps Watts)	2kVA, 1300 watts
Surge energy rating peak current capability	480 J, 6.5kA
Normal mode surge voltage let through (IEEE 587 Cat. A 6kV test)	<0.3% of peak typical
Audible noise at 3.3 ft.	<45dBA
Normal common mode clamping response time	0 ns, <5ns typical, meets UL 1449
Batteries	Compact, sealed, maintenance-free lead acid individually fused.
Online Battery Replacement	Quick swap with 50 amp Anderson connectors
Recharge time to 90% capacity	3 hours
Ambient Operation	10,000 ft. max. Elevation 0-95% humidity non-condensing -34°F to +165°F (-37°C to +74°C) (Optional adder)
Temperature Tested Electronics	To 170°F
Conditioned Power	Computer quality conditioned power
UL Design	Yes
Transient Lightning Protection	160 Joules
Full Power Bypass & Isolation Module	SPACT and PCM for full triple redundant bypass and isolation
Extended runtime battery pack options	6 batteries standard, 108 AMP-HR accumulative, additional options available
Replacement Battery Cartridge	RBC7





Tesco Controls' Low-Profile Switchgear, Service Pedestals, and Traffic Signal Battery Backup Systems are the specified standard for DOT's and cities throughout North America, and sites in Saipan, Guam, and South America.





## About Tesco Controls, Inc.

Municipalities and industries throughout America rely on Tesco Controls for their transportation and water/wastewater control systems. Tesco Controls delivers high value solutions designed to optimize operations, improve communication and reduce operating costs while providing equipment that is aesthetically pleasing.

Founded in 1972, Tesco Controls is keenly aware of the needs of the transportation and wastewater industries. We develop our systems using the most recent advances in technology which enables us to keep pace with an evolving marketplace. We have a long history of successful projects and an unrivaled commitment to excellence in controls and system integration.

TESCO is a 100% employee-owned company with eight regional locations from California to Louisiana. TESCO staff are focused on providing customers with excellent products and superior customer service. Our 130,000 sq. ft. manufacturing and technical services facility in Sacramento, California features full metal shop, paint line, wiring and assembly, and factory testing. TESCO's engineers, project managers, programmers, field technicians, and support staff are highly qualified professionals with years of experience in the industry. TESCO gives back to the industry by providing CEU-certified training twice each year for industry professionals.

### *From Conceptual Design and Manufacturing through Implementation*

TESCO's integrated solutions include design/build consulting services, electrical engineering, systems integration, SCADA systems, PLC programming, telemetry, security solutions, power systems design and analysis, field services, extended maintenance and system services, training, and construction management.

### *Manufacturing and Custom Fabrication*

In addition to integrating a wide range of off-the-shelf systems, we are proud to offer quality TESCO-brand products. TESCO manufactures PLCs, instrumentation, enclosures, traffic signal battery backup systems, utility service pedestals and low-profile switchgear (metered & unmetered), irrigation control cabinets, custom controls and custom motor control centers. From conceptual design through manufacturing, TESCO can produce products made to spec with custom dimensions, cabinet colors, configurations and materials, including stainless steel NEMA 3R, 3RX, 4 and 4X.

*Call us and see for yourself how Tesco Controls, Inc. can make a positive difference on your next project.*

© 2017 Tesco Controls, Inc. | TESCO® and TESCOFLEX® are registered trademarks of Tesco Controls, Inc.  
DN: Pedestal Catalog\_10312017



100% Employee Owned

TescoControls.com

**Tesco Controls, Inc.**  
8440 Florin Road  
Sacramento, CA 95828  
(916) 395-8800

#### Regional Offices

Temecula, CA  
(951) 308-6450

Salinas, CA  
(800) 94-TESCO

San Francisco, CA  
(800) 94-TESCO

Carson City, NV  
(800) 94-TESCO

Phoenix, AZ  
(800) 94-TESCO

Springfield, OR  
(800) 94-TESCO

Baton Rouge, LA  
(800) 94-TESCO