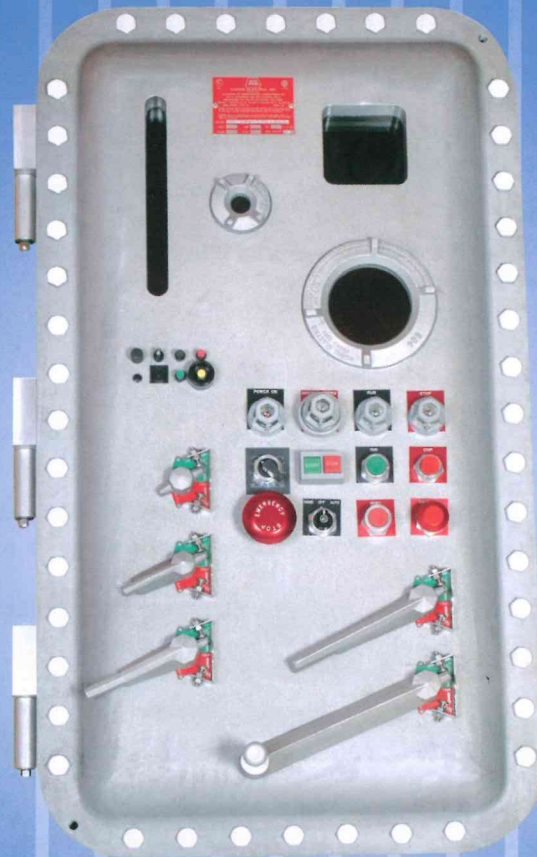




AKRON ELECTRIC INC.

Explosion-Proof Electrical Product Line



"People Doing Business With People"

Made in the USA



A Division of the Akron Foundry Company

1025 Eagon Street Barberton, Ohio 44203 Ph: 330-745-8891 Fax: 330-745-2504
www.akronelectric.com e-mail: sales@akronelectric.com



AXJ Explosion-Proof Junction Boxes

Designed for use as junction, splice or pull boxes
 Commonly used in hazardous areas in conjunction with rigid conduit systems
 Raised cover design increases available internal depth
 Options include: Nema 4X o-ring for outdoor & wash-down applications
 Factory machined or field drilled and tapped capable while maintaining certifications
 E3 triple lead stainless steel captive quick thread bolt available as an option
 Expanded flame path approved for group "B" applications
 Over 75 sizes now available!



CXJ Explosion-Proof Control Stations

Control stations contain factory or customer supplied electrical components such as contactors, starters, circuit breakers, relays, terminal blocks, meters and pilot devices.
 Raised cover design increases available internal volume to accommodate more components
 U.L. and C.S.A. approved with round windows ranging from 1" to 7 5/8" viewing
 Square and rectangular windows UL/cUL approved
 - Consult factory for sizing.
 Auxiliary devices approved for installation in cover and side walls
 Covers approved for 2 1/2" c-c installation of pilot devices
 Options include: Nema 4X o-ring for outdoor & wash-down applications
 Factory machined or field drilled and tapped capable while maintaining certifications
 E3 triple lead stainless steel captive quick thread bolt available as an option
 Expanded flame path approved for Group "B" applications



"FCS" Flat Cover Series
 Increased cover working area



CXJ 38388 Control Station
 Ten inches of internal depth



CXJ cover with Akron devices,
 viewing window & epoxy coating



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Motor Starter and Circuit Breaker Enclosures



Manual Motor Starter

XCB / XND / XFD

- Full voltage non-reversing starters
- Full voltage reversing starters
- Combination FVNR starters
- Combination FVR starters
- Manual starters
- Enclosures supplied complete with electrical internals or enclosure only
- Non-wired starters
- NEMA and IEC product offering
- Consult factory:
 - If wiring is required
 - For custom applications
 - For UL wiring



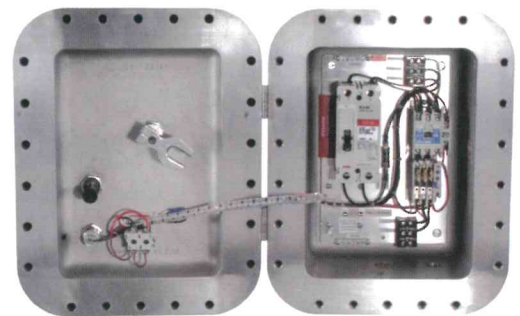
Combination Motor Starter



Fused & Non-Fused Disconnects

- XCB Series Circuit Breakers
- XND Series Non-Fused Disconnects
- XFD Series Fused Disconnects

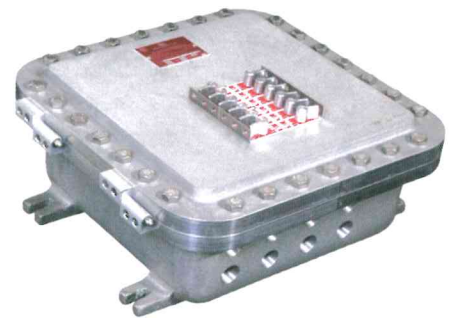
Custom Wiring!



Lighting & Power Distribution Panel Boards

XPBA / XPBB / XPBC / XPBD / XPBE

- Non factory sealed
- 100 AMP main lug only / 225 amp main lug only
- 100 AMP main breaker / 225 amp main breaker
- NEMA 4X
- External epoxy coating available, consult factory
- E3 - triple lead stainless steel captive cover bolts
- Standard conduit entries
- Breather and drain standard
- Available with or without interiors / chassis
- Cutler-Hammer interiors standard.
- 10 KAIC enclosure ratings
- Flat cover design
- Consult factory for custom applications



XPBA: CXJ16166-FC
 XPBB: CXJ16246-FC
 XPBC: CXJ16306-FC
 XPBD: CXJ16366-FC
 XPBE: CXJ16426-FC



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ATEX Directive / Flameproof Series



ATmosphere EXplosible
UL International DEMKO A/S (D)



AXJ ATEX Series (-CEN)

- $\text{Ex II 2 G Ex d IIB + H2}$ and / or Ex II 2 d
- -55C to +100C
- IP66 with N4 O-Ring
- DEMKO 05 ATEX 137477U
- Enclosure sizes up to AXJ243610-CEN
- Directive 94/9/EC
- "U" - Component Certification
- EN 60079-0:2004, EN 60079-1:2004, EN50281-1-1:1998 incl. A1:2002



CXJ ATEX Series (-CEN)

- $\text{Ex II 2 G Ex d IIB + H2}$ and Ex II 2 D Ex d
- -55C to +100C
- IP66 with N4 O-Ring
- DEMKO 05 ATEX 0419382U
- Enclosure sizes up to CXJ243610-CEN
- Directive 94/9/EC
- "U" - Component Certification
- EN 60079-0:2006, EN 60079-1:2007, EN50281-1-1:1998 incl. A1:2002
- IECEx Pending



XM & XP ATEX Series

- $\text{Ex II 2 G Ex d IIB + H2}$
- Ex II 2 D
- -55C to +100C
- IP66 when installed in an IP66 rated enclosure
- DEMKO 06 ATEX 0605697U
- Directive 94/9/EC
- "U" Component Certification
- EN 60079-0: 2004+ prAA:2005
- EN 60079-1:2004
- EN 50281-1-1: 1998 incl. A1: 2002
- IECEx Pending



XJIH Instrument Housings XJ Junction / Control Boxes ATEX Series

- $\text{Ex II 2 G Ex d IIC}$
- $\text{Ex II 2 D Ex td A21}$
- IP66
- FM 09ATEX0073U
- "U" Component Certification
- -20C to +60C
- EN 60079-0 : 2006
- EN 60079-1 : 2007



AXC ATEX Series

- $\text{Ex II 2 G EEx d IIC}$
- -20C to +40C
- IP66
- DEMKO 03 ATEX 0311846U
- "U" Component Certification
- EN 50014 : 1997 E incl. A1-A2: 1999
- EN 50018 : 2000 E incl. A1:2002

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Threaded Meter / Instrumentation Enclosures



XJCTS
XJCTG



XJATS
XJATG



XJCTS / XJCTG / XJATS / XJATG

Threaded solid or glass cover enclosures
For use as junction or splice boxes
Install electrical components including meters,
circuit board assemblies, instrumentation and controls
Nema 4X standard for outdoor / wash-down applications
Light weight corrosion resistant copper-free aluminum
Attractive stainless steel sand blast finish
Epoxy coating available - consult factory



XJATD
XJCTD
XJCTD-G



XJATD / XJCTD / XJCTD-G

Increase the interior working depth requirements with
one of our dome type covers.
Interior depths up to twenty nine plus inches available
with "dome" feature.
Add a glass viewing cover up to (5 1/4") on select models.

Instrumentation Enclosures



XJIHS
XJIHG



XJIHS / XJIHG

For process, instrumentation and installation of electrical
components
Solid or glass cover design
Nema 4X standard for outdoor / wash-down applications
Precision cast & machined from copper - free aluminum
Attractive stainless steel sand blast finish
Epoxy coating available - consult factory



XJIHDS
XJIHDG



XJIHDS / XJIHDG

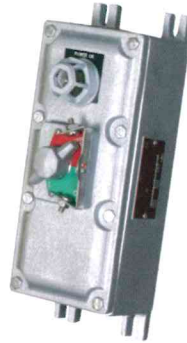
Dual - sided instrument enclosures
Available with solid or glass covers in standard
or deep version
Keep power supply and instrument in two separate
compartments
Maintains certification while machining the wall between
chambers
Nema 4X standard for outdoor / wash-down applications
Precision cast & machined from copper-free aluminum
Attractive stainless steel sand blast finish
Epoxy coating available - consult factory

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Push Button Stations



AXI / CXI / CXP

Internal flange design

AXI / CXI / CXP enclosures are rated for Groups C & D only

For use as a junction box, push button station or small control station

Accommodate Akron Electric brand standard or mini type pilot devices

Nema 4X - (optional)



Sealing Fittings, Conduit Bodies & Unions

Seal Fittings seal passage of explosive gases / vapors into conduit system

Use in vertical or horizontal applications

Electrostatic powder epoxy / polyester coating standard

Conduit Bodies are for use as a junction or splice box.
Nema 4X standard

11 models to choose from

Electrostatic powder epoxy / polyester coating standard

Unions connect threaded rigid conduit

Electrostatic powder epoxy / polyester coating standard



Universal Breather or Drain

XBD-50

Stainless Steel design

For use in 1/2" NPT

Acts as a breather / vent when installed in the top of an enclosure and as a drain for removal of excess condensation when installed in the bottom of an enclosure



Breather

Drain

Akron Electric, Inc.

Explosion-Proof Pilot Devices

Pilot Light
Pigtail



Pilot Light
Saddle Clamp



Pilot Light
Transformer



Illuminated
Pushbutton



Pushbutton
Flush Head



Pushbutton
Extended Head



Mushroom Head
Momentary/Maintained



Mushroom Head
3-Position



Mushroom Head
Jumbo E-Stop



Dual Pushbutton
Green Flush/Red Extended



Dual Pushbutton
Black/Black



Push-To-Test
Pilot Light



Potentiometer



Reset Pushbutton



2-Position
Selector Switch



2-Position Keyed
Selector Switch



3-Position
Selector Switch



3-Position Keyed
Selector Switch



Wing
Lever



Mini Pilot Light



Mini Pushbutton
Mini Reset Pushbutton



-25°C to +40°C

NEMA 4X

3/4-14 npsm thread - standard series (XP type)

3/8-16 unc thread - mini series (XM type)

Consult factory to confirm certifications for complete product line

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AKRON ELECTRIC, INC. EXPLOSION-PROOF ENCLOSURES

A Division of the Akron Foundry Company - Quality Aluminum Castings since 1950
Sand, Permanent Mold & Low Pressure Permanent Mold

Customized Products for Specialized Needs



CXJ 34x68x10



CXJ Series Control Station



Manual Motor Starter



Combination Motor Starter



Fused / Non-Fused Disconnects



ATEX w / custom machining



Panelboards



Custom Windows



Pushbutton Stations



Certificate Number 03.059.1 ISO 9001-2008

Akron Electric, Inc.

Consult Factory for listing verification

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