INDUSTRIAL COMMERCIAL RESIDENTIAL

## D-1

SWITCHES

## TESTING \& CODE COMPLIANCE

- UL 20 Listed (file no. 18704), meets Federal Spec. WS-896.
- CSA (file no. 10016 (6421-05)).
Meets all CSA requirements, C22.2 no. 111, except as noted. - NOM Certified, except as noted.


## MATERIALS

 CHARACTERISTICS Temperature Rating: $-40^{\circ} \mathrm{C}$ to $65^{\circ} \mathrm{C}$.

2223


Horsepower Rated for Motor Loads per UL 20

|  | 120V/AC | 240V/AC | Max Amps |
| :--- | :--- | :--- | :--- |
| 15 A | $1 / 2 \mathrm{HP}$ | 2 HP | 12 A |
| 20 A | 1 HP | 2 HP | 16 A |
| 30 A | 2 HP | 2 HP | 24 A |

## AC Quiet Switches

## FEATURES

- Industrial design cam action mechanism insures quiet switch action.
- Color-coded faces identify amperage: blue $=15 \mathrm{amp}$, red=20 amp , green=30 amp.
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure.
- Tapered lead-in slots on back wiring holes assist in gathering stranded wires for faster, more secure connections.
- Back and side wire terminals accept up to \#10 solid or stranded wire.

| Back and Side Wire |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rating |  |  | Catalog No. |  |  |  |
| A | V/AC | Color | Single-Pole | Double-Pole | 3-Way | 4-Way |
| 15 | 120/277 | Brown | 1201B | 1202B | 1203B | 1204B |
|  |  | Gray | 1201GY | 1202GY | 1203GY | 1204GY |
|  |  | Ivory | 1201V | 1202V | 1203 V | 1204 V |
|  |  | Red | 1201RD | - | 1203RD | - |
|  |  | White | 1201W | 1202W | 1203W | 1204W |
| 20 | 120/277 | Brown | 2221B | 2222B | 2223B | 2224B |
|  |  | Gray | 2221GY | 2222GY | 2223GY | 2224GY |
|  |  | Ivory | 2221V | 2222 V | 2223 V | 2224 V |
|  |  | Red | 2221RD | 2222RD | 2223RD | 2224RD |
|  |  | White | 2221W | 2222W | 2223W | 2224W |
| 30 | 120/277 | Brown | 3031B | 3032B | 3033B* | 3034B* |
|  |  | Ivory | 3031 V | 3032 V | 3033V* | 3034V* |
|  |  | Red | 3031RD | 3032RD | 3033RD* | 3034RD* |
|  |  | White | 3031W | 3032W | 3033W* | 3034W* |

Notes: • AC switches are not recommended for use on Master or Emergency Power Systems.

- AC switches can be used on HP applications as permitted by NEC® paragraphs 430.83 and 430.109.
* Not CSA approved or NOM certified
- Ground screw terminal standard.
- 0.050 " ( 1.27 mm ) thick steel mounting strap zinc-plated for corrosion resistance.
- 120/277V/AC rating ideal for fluorescent lighting fixtures typical in commercial applications.
- Combination slot/Robertson head mounting and terminal screws ease installation.


## Industrial Specification Grade Switches

## AC Quiet Switches - Ganadian Version

## FEATURES

- Industrial design cam action mechanism insures quiet switch action.
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure.
- Tapered lead-in slots on back wiring holes assist in gathering stranded wires for faster, more secure connections.
- Back and side wire terminals accept up to \#10 solid or stranded wire.
- Ground screw terminal standard.

| Back and Side Wire |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rating |  |  | Catalog No. |  |  |  |
| A | V/AC | Color | Single-Pole | Double-Pole | 3-Way | 4-Way |
| 15 | 347 | Brown | 18201B | 18202B | 18203B | 18204B |
|  |  | Ivory | 18201V | 18202V | 18203V | 18204 V |
|  |  | White | 18201W | - | 18203W | - |
| 20 | 347 | Brown | 18221B | 18222B | 18223B | 18224B |
|  |  | Ivory | 18221 V | 18222 V | 18223 V | 18224 V |

Notes: • AC switches are not recommended for use on Master or Emergency Power Systems
AC switches can be used on HP applications as permitted by NEC ${ }^{\circledR}$ paragraphs 430.83 and 430.109.

|  | 120V/AC | 240V/AC | Max Amps |
| :--- | :--- | :--- | :--- |
| 15 A | $1 / 2 \mathrm{HP}$ | 2 HP | 12 A |
| 20 A | 1 HP | 2 HP | 16 A |
| 30 A | 2 HP | 2 HP | 24 A |

0.050 " $(1.27 \mathrm{~mm})$ thick steel mounting strap zinc-plated for corrosion resistance.

- Combination slot/Robertson head mounting and terminal screws ease installation.

INDUSTRIAL COMMERCIAL RESIDENTIAL

SWITCHES

TESTING \& CODE COMPLIANCE
cUL Certified to C22.2 no. 111 (file no. E12339) - NOM Certified, except as noted.


INDUSTRIAL COMMERCIAL RESIDENTIAL


SWITCHES

## TESTING \& CODE

 COMPLIANCE- UL 20 Listed (file no. E18704).
- CSA (file no. 10016
(6241-05)).
Meets all CSA requirements, C22.2 no. 111 - NOM Certified, unless otherwise noted.


## MATERIAL

CHARACTERISTICS
Temperature Rating: $-40^{\circ} \mathrm{C}$ to $65^{\circ} \mathrm{C}$.

Industrial Specification Grade Switches

15, 20, 30A
120/277V/AC
Grounding

## AC Quiet Three-Position Switches

## FEATURES

- Industrial design cam action mechanism insures quiet switch action.
■ Maintained and momentary contact switches establish circuit contact in either up or down "on" positions; center position "off."
- Color-coded faces identify amperage: blue=15 amp, red=20 amp, green=30 amp.
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure.
- Back and side wire terminals accept up to \#10 solid or stranded wire.
- Ground screw terminal standard.
- 0.050 " $(1.27 \mathrm{~mm})$ thick steel mounting strap zinc-plated for corrosion resistance.
- 120/277V/AC rating ideal for fluorescent lighting fixtures typical in commercial applications.
- Combination slot/Phillips head mounting and terminal screws ease installation (slot/Robertson screws in Canada where available).

1995
Momentary and Maintained Contact, Three Position, Center Off - Back and Side Wire Rating Catalog No.

| A | V/AC | Description | Color | Single-Pole | Double-Pole |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 15 | 120/277 | Maintained | Ivory | 1205 V | - |
| 15 | 120/277 | Momentary | Brown | 1895B | - |
|  |  |  | Gray | 1895GY | - |
|  |  |  | Ivory | 1895V | - |
| 15 | 120/277 | Momentary - Locking | Nickel | 1895L | - |
| 20 | 120/277 | Maintained | Brown | - | 2226B** |
|  |  |  | Ivory | 2225V** | 2226V** |
| 20 | 120/277 | Momentary | Brown | 1995B | - |
|  |  |  | Gray | 1995GY | - |
|  |  |  | Ivory | 1995V | - |
| 20 | 120/277 | Momentary - Locking | Nickel | 1995L | - |
| 30 | 120/277 | Maintained | Brown | 3035B*** | 3036B*** |
|  |  |  | Ivory | 3035V*** | 3036V*** |

* Not NOM certified.
** Multiple Listed (ML \#E109153), not CSA approved.


## Replacement Key

Description Catalog No.
Replacement Key for 1895/1995L AH2000

| Horsepower Rated for Motor Loads per UL $\mathbf{2 0}$ |  |  |  |
| :--- | :--- | :--- | :--- |
|  | $\mathbf{1 2 0 V} /$ AC | $\mathbf{2 4 0 V} / \mathrm{AC}$ | Max Amps |
| 15 A | $1 / 2 \mathrm{HP}$ | 2 HP | 12 A |
| 20 A | 1 HP | 2 HP | 16 A |
| 30 A | 2 HP | 2 HP | 24 A |

## AC Switches - Corbin Lock Type

## FEATURES

- Exclusive steel-housed Corbin locking device operates with a true key for added security and resistance to vandalism.
- Key removable in the "ON" and "OFF" position. Standard finish of lock dome is nickel.
- Two keys are supplied with each lock switch. AH14 key is standard.

| Back and Side Wire |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Rating |  |  |  |  |
| A | V/AC | Description | Lock Dome Finish | Catalog No. |
| 15 | 120/277 | Single Pole | Nickel | AH1181N |
|  |  | Single Pole, key removable in "OFF" position only | Nickel | AH1181NOF |
|  |  | Double Pole | Nickel | AH1182N |
|  |  | Three-Way | Nickel | AH1183N |
| 20 | 120/277 | Single Pole | Nickel | AH1191N |
|  |  | Single Pole, key removable in "OFF" position only | Nickel | AH1191NOF |
|  |  | Double Pole | Nickel | AH1192N |
|  |  | Three-Way | Nickel | AH1193N |



AH1187


Horsepower Rated for Motor Loads per UL 20

|  | $\mathbf{1 2 0 V} /$ AC | 240V/AC | Max Amps |
| :--- | :--- | :--- | :--- |
| 15 A | $1 / 2 \mathrm{HP}$ | 2 HP | 12 A |
| 20 A | 1 HP | 2 HP | 16 A |

INDUSTRIAL COMMERCIAL RESIDENTIAL

D-4
SWITCHES

TESTING \& CODE COMPLIANCE

- UL 20 Listed (file no. E135162).


## MATERIAL

CHARACTERISTICS
Urea / Phenolic Temperature Rating: $-40^{\circ} \mathrm{C}$ to $100^{\circ} \mathrm{C}$.


INDUSTRIAL COMMERCIAL RESIDENTIAL

## D. 5

SWITCHES

## TESTING \& CODE

 COMPLIANCE- UL 20 Listed (file no. E18704), meets Federal Spec. WS-896. - CSA (file no. 10016 (6241-05)).
Meets all CSA requirements, C22.2 no. 111
- NOM Certified, unless otherwise noted


## MATERIAL

 CHARACTERISTICS Temperature Rating: $-40^{\circ} \mathrm{C}$ to $65^{\circ} \mathrm{C}$.Industrial Specification Grade Switches

## AC Quiet Locking Switches

## FEATURES

- Industrial design cam action mechanism insures quiet switch action.
- Tapered lead-in slots on back wiring holes assist in gathering stranded wires for faster, more secure connections.
- Locking switches prevent unauthorized actuation.
- Color-coded faces identify amperage: blue=15 amp, red=20 amp, green=30 amp.
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure.

15, 20, 30A
120/277V/AC
Grounding

Locking - Back and Side Wire

## Rating

| Rating |  |  | Catalog No. |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| A | V/AC | Color | Single-Pole | Double-Pole | 3-Way | 4-Way |
| 15 | $120 / 277$ | Brown | 1201L | 1202L | 1203L | 1204L |
| 20 | $120 / 277$ | Brown | 2221 L | 2222L | 2223L | 2224L |
| 30 | $120 / 277$ | Brown | 3031L* | 3032L* | 3033L* | 3034L* |
|  |  |  |  |  | *Not NOM certified. |  |

## Replacement Key

Description
Catalog No.
1201L
Replacement Key $\quad$ 1201LK

- Back and side wire terminals accept up to \#10 solid or stranded wire.
- Ground screw terminal standard.
- 0.050 " $(1.27 \mathrm{~mm})$ thick steel mounting strap zinc-plated for corrosion resistance.
- 120/277V/AC rating ideal for fluorescent lighting fixtures typical in commercial applications.
- Combination slot/Phillips head mounting and terminal screws ease installation with power screwdrivers (slot/Robertson screws in Canada where available).


| Horsepower Rated for Motor Loads per UL $\mathbf{2 0}$ |  |  |  |
| :--- | :--- | :--- | :--- |
|  | $\mathbf{1 2 0 V} /$ AC | $\mathbf{2 4 0 V} /$ AC | Max Amps |
| 15 A | $1 / 2 \mathrm{HP}$ | 2 HP | 12 A |
| 20 A | 1 HP | 2 HP | 16 A |
| 30 A | 2 HP | 2 HP | 24 A |

15, 20A
120/277V/AC

## AC Switches - Tap Action

## FEATURES

- Industrial design push button switch.
- Automatic grounding system eliminates need for
- Side wiring terminals accept up to \#10 solid or stranded wire. bonding jumper in grounded metal enclosure.

| Side Wiring |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Rating |  |  |  |  |  |  |
| A | V/AC | Color | Single-Pole | Double-Pole | 3-Way | 4-Way |
| 20 | $120 / 277$ | Brown | 2991 B | 2992 B | $2993 \mathrm{~B}^{*}$ | 2994 B |
|  |  | Ivory | 2991 V | 2992 V | $2993 \mathrm{~V}^{*}$ | 2994V |

Notes: • AC switches are not recommended for use on Master or Emergency Power Systems.
AC switches can be used on HP applications as permitted by NEC ${ }^{\circledR}$ paragraphs 430.83 and 430.109.

## AC Switches - Tap Action Lighted Button

## FEATURES

- Industrial design push button switch.
- Lighted in the "OFF" position, neon bulb is rated 120V only.
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure.

| Side Wiring |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Rating |  |  |  |  |  |  |
| A | V/AC | Color | Single-Pole | Double-Pole | 3-Way | 4-Way |
| 15 | $120 / 277$ | Ivory | 2897 V | - | $2898 V^{*}$ | - |
| 20 | $120 / 277$ | Ivory | 2997 V | 2996 V | $2998 \mathrm{~V}^{*}$ | - |
|  |  |  |  |  |  | *UL Only. |

Horsepower Rated for Motor Loads per UL 20

|  | 120V/AC | 240V/AC | Max Amps |
| :--- | :--- | :--- | :--- |
| 15 A | $1 / 2 \mathrm{HP}$ | 2 HP | 12 A |
| 20 A | 1 HP | 2 HP | 16 A |

- Accepts standard toggle plate, or AH2881/82 weather protective covers.
- Side wiring terminals accepts up to \#10 solid or stranded wire.
- Accepts standard toggle plate.


2992


2897

## TESTING \& CODE

 COMPLIANCE- UL 20 Listed (file no. E135162).
- cUL Certified to C22.2 no. 111.


## MATERIAL

CHARACTERISTICS
Urea / Phenolic and Polycarbonate Toggle Temperature Rating: $-40^{\circ} \mathrm{C}$ to $80^{\circ} \mathrm{C}$.

## AC Switches - Tap Action Pilot Light

## FEATURES

- Industrial design push button switch.
- Lighted in the "ON" position, neon bulb is rated 120V only.
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure.
- Side wiring terminals accept up to \#10 solid or stranded wire.
- Accepts standard toggle plate.

INDUSTRIAL COMMERCIAL RESIDENTIAL

SWITCHES


| Side Wire Only |  |  |  |
| :--- | :--- | :--- | :--- |
| Rating |  |  |  |
| A | V/AC | Color | Catalog No. |
| 15 | $120 / 277$ | Red | 2899RD |
|  |  | Ivory | 2899 V |
| 20 | $120 / 277$ | Red | 2999 RD |
|  |  | Ivory | 2999 V |

## Weather Protective AC Tap Action Switch Plates

FEATURES

- Designed with finned, self-sealing mounting - For all CWD tap action switches. holes for either FS (cast or plastic) or standard flush wall boxes.

Weather Protective Neoprene Plates

| Description | Color | Catalog No. |
| :--- | :--- | :--- |
| Plate Only, One Gang | Gray | 2881 G |
|  | Yellow | AH2881 |
| Plate and 125 Volt Red Pilot | Gray | 2882 G |
|  | Yellow | AH2882 |

Notes: • AC switches are not recommended for use on Master or Emergency Power Systems.

- AC switches can be used on HP applications as permitted by NEC® paragraphs 430.83 and 430.109.

Horsepower Rated for Motor Loads per UL 20

|  | $\mathbf{1 2 0 V} /$ AC | 240V/AC | Max Amps |
| :--- | :--- | :--- | :--- |
| 15 A | $1 / 2 \mathrm{HP}$ | 2 HP | 12 A |
| 20 A | 1 HP | 2 HP | 16 A |

TESTING \& CODE COMPLIANCE

- UL 20 Listed (file no. E135162) - cUL Certified to C22.2 no. 111 (file no. E12339).


## MATERIAL

CHARACTERISTICS
Urea / Phenolic and Polycarbonate Toggle Temperature Rating: $-40^{\circ} \mathrm{C}$ to $80^{\circ} \mathrm{C}$

## Industrial Specification Grade Switches

Lighted and Pilot Light

## AC Quiet Switches

## FEATURES

- Industrial design cam action mechanism insures quiet switch action.
- Tapered lead-in slots on back wiring holes assist in gathering stranded wires for faster, more secure connections.
- Color-coded faces identify amperage: blue=15 amp, red=20 amp, green=30 amp.
- Automatic grounding system eliminates need for bonding jumper in grounded metal enclosure.
- Back and side wire terminals accept up to \#10 solid or stranded wire.
- Ground screw terminal standard.

■ 0.050" ( 12.7 mm ) thick steel mounting strap zinc-plated for corrosion resistance.

- 120/277V/AC rating ideal for fluorescent lighting fixtures typical in commercial applications.
- Pilot light version glows in "on" position, lighted version glows when "off".
- Combination slot/Phillips head mounting and terminal screws ease installation with power screwdrivers (slot/Robertson screws in Canada where available).

| Lighted Toggle - Back and Side Wire |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :---: |
| Rating  <br> A V/AC |  | Color | Single-Pole | Catalog No. <br> Double-Pole | 3-Way |  |
| 15 | $120 / 277$ | Ivory | 1201 LTV | - | 1203LTV |  |
|  |  | White | 1201 LTW | - | 1203LTW |  |
| 20 | $120 / 277$ | Ivory | 2221 LTV | - | 2223LTV |  |
|  |  | White | 2221 LTW | - | 2223LTW |  |

## Pilot Light - Back and Side Wire

| Rating |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| A | V/AC | Color | Catalog No. <br> Single-Pole | Double-Pole | 3-Way |
| 15 | $120 / 277$ | Red | 1201 PL | 1202 PL | - |
| 20 | $120 / 277$ | Red | 2221 PL | 2222 PL | - |
| 30 | $120 / 277$ | Red | - | 3032 PL $^{*}$ | - |



2222PL

INDUSTRIAL
COMMERCIAL
RESIDENTIAL

## D-8

SWITCHES

TESTING \& CODE COMPLIANCE
UL 20 Listed (file no E18704), meets Federal Spec. WS-896.
CSA (file no. 10016 (6241-05)).
Meets all CSA
requirements,
C22.2 no. 111
NOM Certified
MATERIAL
CHARACTERISTICS
Temperature Rating: $-40^{\circ} \mathrm{C}$ to $65^{\circ} \mathrm{C}$

