



**KOHLER®**

| Industrial Generators

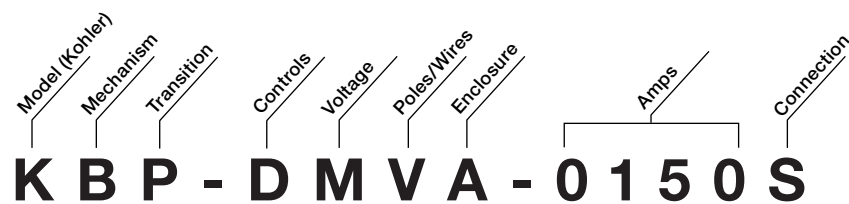
## *Automatic* Transfer Switches

Product Guide

# Custom configurations

## THE CHART TELLS THE STORY

You can custom-configure switches by choosing the exact components needed. This standard process allows Kohler to provide the correct switch for your application with delivery in the shortest amount of time. Each letter and numeral corresponds to a specific element of the automatic transfer switch (ATS). Here's an example:



### KOHLER® AUTOMATIC TRANSFER SWITCH (K)

- Bypass-isolation mechanism (B)
- Programmed transition (P)
- Decision-Maker® MPAC® 1500 controller (D)
- 480 V, 60 Hz (M)
- 4-pole, 4-wire with switched neutral (V)
- NEMA 1 enclosure (A)
- Rated at 150 amps (0150)
- Standard connection (S)



**KBP-DMVA-0150S**

Mechanism	Transition	Controls	Voltage	Poles/Wires
S – Standard (Specific Breaker)	S – Standard	A – MPAC 1200	C – 208 V / 60 Hz	T – 3-Pole / 4-Wire, Solid Neutral
C – Standard (Time-Based)	P – Programmed	D – MPAC 1500	D – 220 V / 50 Hz	N – 2-Pole / 3-Wire, Solid Neutral
B – Mechanically Operated Bypass Isolation	C – Closed	B – MPAC 1200 Nonautomatic	F – 240 V / 60 Hz	V – 4-Pole / 4-Wire, Switched Neutral
A – Electrically Operated Bypass Isolation		F – MPAC 1500 Nonautomatic	G – 380 V / 50 Hz	W – 4-Pole / 4-Wire, Overlapping Neutral
U – Service Entrance			H – 400 V / 50 Hz	
			J – 416 V / 50 Hz	
			K – 440 V / 60 Hz	
			M – 480 V / 60 Hz	
			N – 600 V / 60 Hz	
			P – 380 V / 60 Hz	
			R – 220 V / 60 Hz	
			S – 400 V / 60 Hz	

Enclosure	Amps	Connection	Utility Disc. (KUS and KUP)	Fault Level (KUS and KUP)
A – NEMA 1	30–4000	S – Standard	U – 80% TM	S – Standard
B – NEMA 12		F – Front	V – 100% TM	H – High Fault
C – NEMA 3R			W – 80% ET	
D – NEMA 4			X – 100% ET	
F – NEMA 4X				
G – Open				

TM = Thermal-Magnetic Trip Unit    ET = Electronic Trip Unit

# THERE ARE THOUSANDS OF WAYS TO CUSTOM-CONFIGURE AN AUTOMATIC TRANSFER SWITCH. HERE'S AN OVERVIEW.

**STANDARD ATS** Has a single mechanism that transfers the load from one power source to another power source.

Models	Mechanisms	Transitions	Controllers	Voltages	Poles/Wires	Enclosures	Amps	Connections
K	S	S	A, B	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, B, C, D, F, G	30, 70, 104, 150	S
K	S	S	A, B	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, B, C, D, F, G	200, 230	S
K	S	S	A, B	N	N, T, V, W	A, B, C, D, F, G	230	S
K	S	S	A, B	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V, W	A, B, C, D, F, G	260, 400, 600, 800	S
K	S	S	A, B	C, D, F, G, H, J, K, M, N, P, R, S	T, V, W	A, B, C, D, F, G	1000, 1200	S
K	C	S	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, B, C, D, F, G	30, 70, 104, 150	S
K	C	S	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, B, C, D, F, G	200, 230	S
K	C	S	A, B, D, F	N	N, T, V, W	A, B, C, D, F, G	230	S
K	C	S	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V, W	A, B, C, D, F, G	260, 400, 600, 800	S
K	C	S	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	T, V, W	A, B, C, D, F, G	1000, 1200	S
K	C	S	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	T, V, W	A, C, G	1600, 2000	F
K	C	S	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	T, V, W	A, C, G	1600, 2000, 2600, 3000	S
K	C	S	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	T, V, W	A, C	4000	S
K	C	P	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, B, C, D, F, G	150, 225, 260, 400, 600, 800	S
K	C	P	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, B, C, D, F, G	1000, 1200	S
K	C	P	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, C, G	1600, 2000	F
K	C	P	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, C, G	1600, 2000, 2600, 3000	S
K	C	P	A, B, D, F	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, C	4000	S
K	C	C	A, D	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, B, C, D, F	150, 260, 400, 600, 800	S
K	C	C	A, D	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, B, C, D, F	1000, 1200	S
K	C	C	A, D	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, C	1600, 2000	F
K	C	C	A, D	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, C	1600, 2000, 2600, 3000, 4000	S

**BYPASS-ISOLATION ATS** Bundles an automatic and a manual transfer switch into a single unit.

Models	Mechanisms	Transitions	Controllers	Voltages	Poles/Wires	Enclosures	Amps	Connections
K	B	S	D	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V, W	A, C	150, 225, 260, 400, 600	S
K	B	S	D	C, D, F, G, H, J, K, M, N, P, R, S	T, V, W	A, C	800, 1000, 1200	F
K	B	S	D	C, D, F, G, H, J, K, M, N, P, R, S	T, V, W	A, C	800, 1000, 1200, 1600, 2000, 2600, 3000, 4000	S
K	B	P, C	D	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, C	150, 225, 260, 400, 600	S
K	B	P, C	D	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, C	800, 1000, 1200	F
K	B	P, C	D	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, C	800, 1000, 1200, 1600, 2000, 2600, 3000, 4000	S
K	A	S	D	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V, W	A, C	150, 225, 260, 400, 600	S
K	A	P	D	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, C	150, 225, 260, 400, 600	S

**SERVICE-ENTRANCE ATS** Serves as both ATS and utility disconnect; includes service disconnect circuit breakers and contactors are used as the switching mechanism.

MODEL KUS with MPAC Logic (GMKUS)										
K	Mechanisms	Transitions	Logic	Voltages	Poles/Wires	Enclosures	Amps	Connections	Utility Disconnects	Fault Level
K	U	S	D	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, B, C, D, F	70, 100, 150	S	U, V, W, X	S, H
K	U	S	D	C, D, F, G, H, J, K, M, P, R, S	N, T, V	A, B, C, D, F	200	S	U, V, W, X	S, H
K	U	S	D	C, D, F, G, H, J, K, M, P, R, S	N, T, V	A, B, C, D, F	225	S	U, V, W, X	S, H
K	U	S	D	N	N, T, V	A, B, C, D, F	225	S	U, V, W, X	S, H
K	U	S	D	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, B, C, D, F	250	S	U, V, W, X	S, H
K	U	S	D	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, B, C, D, F	400	S	W, X	S
K	U	S	D	N	N, T, V	A, B, C, D, F	400	S	W, X	H
K	U	S	D	C, D, F, G, H, J, K, M, P, R, S	N, T, V	A, B, C, D, F	600, 800	S	W, X	S
K	U	S	D	N	N, T, V	A, B, C, D, F	600, 800	S	W, X	S, H
K	U	S	D	C, D, F, G, H, J, K, M, P, R, S	T, V	A, B, C, D, F	1000, 1200	S	W, X	S
K	U	S	D	N	T, V	A, B, C, D, F	1000, 1200	S	W, X	S, H
K	U	S	D	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, C	1600, 2000	S	W, X	S
K	U	S	D	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, C	2500, 3000, 4000	S	X	S

MODEL KUP with MPAC Logic (GMKUP)										
K	Mechanisms	Transitions	Logic	Voltages	Poles/Wires	Enclosures	Amps	Connections	Utility Disconnects	Fault Level
K	U	P	D	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, B, C, D, F	150, 200, 225, 250	S	U, V, W, X	S, H
K	U	P	D	C, D, F, G, H, J, K, M, N, P, R, S	N, T, V	A, B, C, D, F	400	S	W, X	S
K	U	P	D	N	N, T, V	A, B, C, D, F	400	S	W, X	H
K	U	P	D	C, D, F, G, H, J, K, M, P, R, S	N, T, V	A, B, C, D, F	600, 800	S	W, X	S
K	U	P	D	N	N, T, V	A, B, C, D, F	600, 800	S	W, X	S, H
K	U	P	D	C, D, F, G, H, J, K, M, P, R, S	T, V	A, B, C, D, F	1000, 1200	S	W, X	S
K	U	P	D	N	T, V	A, B, C, D, F	1000, 1200	S	W, X	S, H
K	U	P	D	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, C	1600, 2000	S	W, X	S
K	U	P	D	C, D, F, G, H, J, K, M, N, P, R, S	T, V	A, C	2500, 3000, 4000	S	X	S

# Decision-Maker<sup>®</sup> MPAC<sup>®</sup> Controllers

TWO OPTIONS. TWO SOLUTIONS.



## MPAC 1200

A customizable solution for your specific application. The ATS1200 gives you full control of system behavior, including extended I/O to customize your needs.



## MPAC 1500

When you need to manage your loads, use your system as a prime power application, or have a backup for your backup (i.e., a three-source system), this controller gets the job done.

Voltage and Frequency Settings		
Pickup / Dropout Normal Source Voltage	Programmable	Programmable
Pickup / Dropout Emergency Source Voltage	Programmable	Programmable
Frequency Selection	50/60 Hz	50/60 Hz
Pickup / Dropout Normal Source Frequency		Programmable
Pickup / Dropout Emergency Source Frequency	Programmable	Programmable
Overvoltage Trip	Programmable	Programmable
Overfrequency Trip	Programmable	Programmable
Normal and Emergency Voltage Unbalance	Standard	Standard
In-Phase Monitor	Standard	Standard
Transfer Commit	Standard	Standard
Phase-Rotation Sensing	Standard	Standard
Time Delays and Configuration Settings		
Transfer to Emergency / Transfer to Normal	Programmable	Programmable
Engine Cooldown	Programmable	Programmable
Generator Exerciser	21 Exercise Events	21 Exercise Events
Remote Peak Shave	Standard	Standard
Start-Time Delay	Programmable (Emergency Only)	Programmable
Fail to Acquire	Programmable (Emergency Only)	Programmable
Communications		
RS-485	Standard	Standard
Ethernet	Optional	Standard
Accessories		
Programmable Engine Exerciser	Standard	Standard
Extended I/O	Optional (Up to 4 Modules)	Optional (Up to 4 Modules)
Digital Meter	Optional	Optional
Source Priority Selector	Optional	Optional
Extended Engine Start-Time Delay	Optional	Optional
Controller Disconnect Switch	Optional	Optional
Load Shed	Optional	Optional
Load Control	Time-Based	Time- or Current-Based
Three-Source System		Standard
Prime Power		Standard

# The *ATS Lineup.*

## Peace of mind *starts* here.

Bridging the gap between loss of utility and standby power is no small task. KOHLER® automatic transfer switches are designed to meet that challenge, distributing power to feed the critical loads of your facility.

Every transfer switch needs a controller to ensure transfer of power from utility to generator and back again. KOHLER Decision-Maker® MPAC® controllers offer clear choices in matching function to application.

### STANDARD FEATURES

#### MULTIPLE APPLICATIONS

Find the perfect option. KOHLER automatic transfer switches are available in standard, bypass-isolation, and service-entrance configurations with open, closed, and programmed transition operating modes, from 30 to 4000 amps.

#### SEAMLESS SYSTEM INTEGRATION

Everything works together. KOHLER transfer switches are designed to interface perfectly with KOHLER generators and paralleling switchgear.

#### ADVANCED COMMUNICATIONS

Every transfer switch comes fully loaded with the technology to do the job. Ethernet and Modbus communications capabilities are available.

#### CERTIFIED PACKAGES

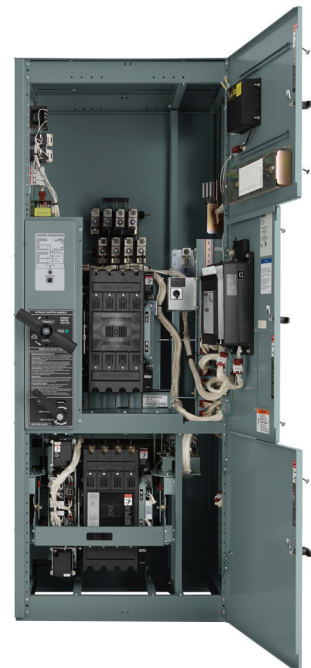
Transfer switches are UL-listed and have CSA and IBC certifications available.



Standard ATS



Service-Entrance ATS



Bypass-Isolation ATS

**KOHLER**<sup>®</sup>



For more information, contact your Kohler source of supply  
or call 800-544-2444 in the U.S. and Canada.

[KohlerEnergy.com](https://www.kohlerenergy.com)

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