

kohler wiring diagram

kohler wiring diagram is essential for anyone troubleshooting, repairing, or installing Kohler electrical systems. Understanding these diagrams empowers you to correctly identify components, follow electrical paths, and ensure safe and efficient operation of your equipment, whether it's a generator, pump, or other Kohler product. This comprehensive guide will delve into the intricacies of Kohler wiring diagrams, covering common types, essential components, decoding symbols, and practical troubleshooting steps. By mastering the information presented here, you'll gain the confidence to tackle electrical issues with precision and efficiency, ensuring your Kohler equipment remains reliable.

Understanding Kohler Wiring Diagram Basics

What is a Kohler Wiring Diagram?

A Kohler wiring diagram, often referred to as an electrical schematic, is a visual representation of the electrical connections within a specific Kohler product. It uses standardized symbols to depict various electrical components like switches, relays, solenoids, motors, and power sources, along with lines that illustrate the flow of electrical current between them. These diagrams are crucial for diagnosing electrical faults, performing maintenance, and understanding the overall electrical architecture of the equipment. They act as a roadmap for electricians and technicians, ensuring that repairs are carried out correctly and safely, thereby preventing further damage or hazards.

Why are Kohler Wiring Diagrams Important?

The importance of a Kohler wiring diagram cannot be overstated. For complex machinery, especially generators and industrial equipment, these diagrams are indispensable tools. They simplify the often-intricate network of wires and components, making it easier to pinpoint the source of an electrical problem. Without a clear understanding of the wiring schematic, troubleshooting can become a lengthy and potentially damaging trial-and-error process. Furthermore, adherence to the diagram ensures that any modifications or repairs are performed according to the manufacturer's specifications, maintaining the integrity and warranty of the Kohler product. This also plays a vital role in safety, as incorrect wiring can lead to short circuits, fires, or equipment malfunction.

Types of Kohler Wiring Diagrams

Kohler utilizes various types of wiring diagrams depending on the complexity and function of the equipment. Understanding these distinctions is key to effectively interpreting the schematics you encounter. Each type serves a specific purpose in illustrating the electrical system.

Schematic Diagrams

Schematic diagrams, also known as logic diagrams, focus on the functional relationship between components rather than their physical layout. They use symbols to represent electrical devices and lines to show the path of current. These diagrams are excellent for understanding how the system operates and for troubleshooting the logic of the circuits. They abstract away the physical constraints of the wiring, allowing for a clear view of the electrical flow and control sequences. This makes them invaluable for diagnosing control circuit issues and understanding the intended operation of the system.

Wiring Diagrams (Point-to-Point)

Wiring diagrams, often called point-to-point diagrams, provide a more literal representation of the actual wiring. They show the physical location of components and the exact routes of the wires connecting them. These diagrams are extremely useful during installation and for tracing specific wires during repairs. They provide a direct visual guide to the physical connections, making it easier to locate wires, terminals, and the physical placement of electrical parts within the equipment. This level of detail is critical for hands-on work.

Functional Block Diagrams

Functional block diagrams break down a complex system into smaller, manageable functional blocks. Each block represents a specific part of the system's operation, such as power generation, control, or output. Lines between blocks indicate the flow of signals or power. While less detailed than schematic or wiring diagrams, they offer a high-level overview of how different parts of the system interact and contribute to the overall function. These are often used for initial system understanding or for explaining complex systems in simpler terms.

Key Components Depicted in Kohler Wiring Diagrams

Understanding Common Electrical Symbols

Electrical symbols are the universal language of wiring diagrams. Familiarizing yourself with these symbols is the first step to deciphering any Kohler wiring diagram. Each symbol represents a specific electrical component, allowing for a standardized and concise representation.

Switches and Controls

Switches are fundamental components that control the flow of electricity. Common symbols include those for single-pole, single-throw (SPST) switches, single-pole, double-throw (SPDT) switches, push buttons, and rotary switches. Understanding how these symbols are drawn indicates their function, whether it's simply turning a circuit on or off, or directing current to different paths. For example, a simple line with a break represents an open switch, while a closed line indicates a switch that is

conducting electricity.

Relays and Solenoids

Relays and solenoids are crucial for controlling higher current circuits with low current signals. Their symbols often depict a coil and one or more sets of contacts. The coil represents the electromagnet that, when energized, causes the contacts to open or close, thereby switching another circuit. Solenoids are similar but typically control mechanical movement, such as opening or closing a valve. Recognizing these symbols helps in understanding how control circuits activate larger loads.

Power Sources and Loads

Power sources are typically represented by symbols indicating batteries (DC) or AC voltage sources. Loads, which are devices that consume electrical power, are represented by symbols for motors, lights, resistors, and heating elements. Identifying these symbols helps you understand where power originates and where it is being directed within the system. For instance, a motor symbol might be a circle with an 'M' inside, indicating a device that converts electrical energy into mechanical motion.

Protection Devices

Fuses and circuit breakers are vital for protecting electrical systems from overcurrent. Their symbols clearly indicate a device designed to interrupt the flow of current when it exceeds a safe level. A fuse is often depicted as a simple line within a rectangle, while a circuit breaker might show a switch with an overload tripping mechanism. Understanding these symbols is critical for ensuring the safety and longevity of the equipment.

Decoding the Lines and Connections

The lines on a Kohler wiring diagram represent the wires or conductors carrying electrical current. The way these lines connect, intersect, or terminate provides critical information about the circuit's configuration. Pay close attention to junctions, crossings, and terminal points.

Wire Types and Colors

While diagrams often use generic lines, accompanying documentation or the diagram itself might indicate wire types or colors. In real-world applications, wire colors are crucial for identification, especially in complex harnesses. However, the diagram's primary role is to show the intended connection, regardless of the physical wire color used during installation, although color coding can be a helpful cross-reference. Manufacturers may use specific color-coding schemes for different functions within their products.

Junctions and Terminals

Junctions, where multiple wires meet, are typically indicated by a dot at the intersection. The absence of a dot at an intersection often signifies that the wires are merely crossing and not electrically connected. Terminals are points where wires connect to components or other wires. They are usually marked with numbers or letters that correspond to specific positions on a component or a terminal block, allowing for precise connections.

Practical Steps for Using a Kohler Wiring Diagram

Locating the Correct Diagram

The first and most critical step is to obtain the correct wiring diagram for your specific Kohler model and serial number. Using a diagram for the wrong equipment can lead to incorrect diagnoses and potentially hazardous situations. Most manufacturers provide these diagrams either within the owner's manual, on a label attached to the equipment itself, or as a downloadable PDF from their official website. Ensure you are referencing the most up-to-date version available, as designs can be updated over time.

Identifying Components on the Diagram

Once you have the correct diagram, take time to identify all the components shown. Cross-reference the symbols on the diagram with the actual components on your Kohler equipment. Manufacturers often label components on the unit with corresponding numbers or letters found on the diagram. This process of matching symbols to physical parts is fundamental for effective troubleshooting. If the component is not physically labeled, you might need to consult a parts list or service manual.

Tracing Electrical Paths

The core utility of a wiring diagram lies in its ability to help you trace electrical paths. Start from a known point, such as the power source or a switch, and follow the lines to understand how current flows to different components. This is invaluable for diagnosing issues like a component not receiving power or a circuit not functioning as expected. When tracing, always pay attention to any switches, relays, or fuses that might interrupt the path and affect operation. Understanding the sequence of operations is key for troubleshooting control circuits.

Troubleshooting Common Electrical Issues

No Power or Intermittent Power Problems

When a Kohler system fails to receive power or experiences intermittent power loss, the wiring diagram is your primary tool. Start by tracing the power input lines to confirm they are receiving voltage. Check fuses and circuit breakers, as indicated on the diagram, to ensure they are not blown or tripped. If power is present at the input but not at the component, a break in the wiring, a faulty switch, or a malfunctioning relay could be the culprit. The diagram helps you systematically check each connection point.

Component Malfunctions

If a specific component, like a motor or a solenoid, is not working, the wiring diagram will guide you through the diagnostic process. Verify that the component is receiving the correct voltage and signal from the control circuits. Check for loose connections at the component terminals, as shown on the diagram. If the component is receiving power but still not operating, it may be internally faulty and require replacement. The diagram can also help you understand how the component interacts with other parts of the system.

Interpreting Diagnostic Codes

Many modern Kohler systems, especially generators, incorporate electronic control modules that generate diagnostic codes. While not directly part of a traditional wiring diagram, these codes often correspond to specific circuit conditions that can be understood by referencing the system's technical documentation, which often includes explanations of how these codes relate to the electrical schematic. Understanding these codes alongside the wiring diagram allows for a more precise diagnosis of faults within complex electronic control systems.

Safety Precautions When Working with Kohler Wiring Diagrams

Working with electrical systems always carries inherent risks. Adhering to safety protocols is paramount. Always disconnect the main power source before beginning any work, and verify with a multimeter that the circuits are de-energized. Wear appropriate personal protective equipment (PPE), such as insulated gloves and eye protection. If you are unsure about any aspect of the wiring or troubleshooting process, it is always best to consult a qualified electrician or technician. Never attempt repairs beyond your skill level, as incorrect wiring can lead to severe injury or equipment damage. Understanding the diagram is only part of the process; safe execution is equally important.

Frequently Asked Questions

What are the most common types of Kohler wiring diagrams I might encounter?

You'll commonly find wiring diagrams for Kohler generators (standby, portable, industrial), pumps (sump, well, sewage), and engines (for various applications). The complexity and specific components will vary greatly by product type and model.

Where can I find an official Kohler wiring diagram for my specific product?

The best place is the official Kohler website. Navigate to the support or product section for your specific model. Wiring diagrams are usually included in the owner's manual or service manual, often available for download as PDFs.

What symbols are frequently used in Kohler wiring diagrams that I should familiarize myself with?

Key symbols include those for wires, terminals, switches (toggle, push button), relays, solenoids, fuses, circuit breakers, diodes, resistors, capacitors, and various engine components like the alternator, starter, and ignition coil. Pay attention to their standard representations.

How do I interpret wire colors on a Kohler wiring diagram?

While not always universally standardized, Kohler often uses common color codes. Red typically signifies positive voltage (12V DC or hot AC), black usually indicates ground or a return path, and other colors like yellow, blue, green, and white can represent specific circuits, signals, or less critical connections. Always confirm with the diagram's legend.

What does a 'relay' symbol typically represent on a Kohler wiring diagram?

A relay symbol indicates an electrically operated switch. It uses a coil to create a magnetic field that actuates one or more sets of contacts. This allows a low-power circuit to control a higher-power circuit, such as starting the generator engine or activating a pump.

I'm troubleshooting a Kohler generator. What's the first step when looking at the wiring diagram?

Identify your specific generator model and locate the correct wiring diagram. Then, understand the problem you're trying to solve (e.g., not starting, not producing power) and trace the relevant circuit on the diagram, checking voltage and continuity at key points.

What's the difference between a schematic diagram and a wiring diagram?

A schematic diagram focuses on the functional relationships between components, showing how the circuit operates logically without regard to physical layout. A wiring diagram, on the other hand,

illustrates the physical placement of wires and components, making it easier for installation and troubleshooting.

How can a wiring diagram help me diagnose a faulty component in a Kohler pump?

By following the flow of power and control signals on the diagram, you can use a multimeter to check for voltage at the input and output of components like switches, relays, or the motor itself. If voltage is present but the component isn't functioning, it likely indicates a faulty part.

What safety precautions should I take when working with Kohler wiring diagrams and electrical systems?

Always disconnect power before working on any wiring. Wear appropriate safety gear like insulated gloves and eye protection. Ensure you understand the voltage levels involved and consult a qualified electrician if you're unsure about any aspect of the system.

Are there online communities or forums where I can get help with Kohler wiring diagram interpretation?

Yes, many online forums dedicated to generators, small engines, and pumps have experienced users who are willing to help. Websites like Reddit (e.g., r/generators, r/MechanicAdvice) and specialized automotive or equipment forums can be valuable resources for asking specific questions.

Additional Resources

Here are 9 book titles related to Kohler wiring diagrams, with short descriptions:

1. The Essential Guide to Kohler Generator Wiring Diagrams

This comprehensive manual delves into the foundational principles of Kohler generator electrical systems. It offers clear explanations of common wiring configurations, troubleshooting techniques, and safety precautions. Readers will gain a solid understanding of how to interpret and utilize Kohler wiring diagrams for residential and light commercial applications.

2. Kohler Power Systems: Demystifying the Wiring Diagrams

This book aims to demystify the often complex world of Kohler power system wiring diagrams. It breaks down the components and their interconnections in an accessible manner, focusing on practical applications for technicians and hobbyists. The text includes numerous visual aids and real-world examples to facilitate learning and problem-solving.

3. Troubleshooting Kohler Generators with Wiring Diagram Mastery

Designed for those facing electrical issues with their Kohler generators, this guide emphasizes the critical role of wiring diagrams in diagnostics. It provides step-by-step instructions for identifying common faults by meticulously following the diagram. The book equips readers with the knowledge to diagnose and repair issues effectively, saving time and resources.

4. Understanding Your Kohler Engine's Electrical System: A Diagram-Based Approach

This title focuses specifically on the intricate electrical systems found within Kohler engines, often integral to their generators. It highlights how the engine's wiring diagram directly impacts the overall generator function and control. The book offers insights into sensor locations, control module connections, and ignition systems as depicted in the diagrams.

5. Kohler Transfer Switch Integration: Wiring Diagram Essentials

For users integrating Kohler generators with automatic transfer switches, this book is indispensable. It concentrates on the specific wiring diagrams required for seamless integration between the generator and the transfer switch. Readers will learn about the control circuits, interconnection wiring, and safety interlocks necessary for proper operation.

6. Advanced Kohler Generator Wiring: From Installation to Modification

This book caters to individuals seeking a deeper understanding of Kohler generator wiring, beyond basic troubleshooting. It covers advanced topics such as custom installations, parallel operation setups, and minor modifications, all explained through detailed wiring diagrams. Emphasis is placed on maintaining system integrity and safety during such procedures.

7. The Homeowner's Handbook to Kohler Generator Wiring Diagrams

This user-friendly guide empowers homeowners to understand the electrical workings of their Kohler standby generators. It simplifies complex wiring diagrams into understandable language, focusing on essential checks and basic maintenance related to the electrical system. The book aims to build confidence in interpreting the diagrams for routine inspections.

8. Kohler Diesel Generator Wiring: A Technical Deep Dive

This technical manual provides an in-depth exploration of wiring diagrams specific to Kohler diesel generators. It addresses the unique electrical characteristics and control systems associated with diesel engines. The book is ideal for experienced technicians and engineers who require detailed schematics and operational explanations.

9. Interpreting Kohler Wiring Diagrams: A Practical Workshop Manual

This hands-on manual focuses on the practical application of interpreting Kohler wiring diagrams in a workshop setting. It presents common scenarios and challenges, offering clear, diagram-driven solutions. The book is structured as a reference guide, encouraging users to actively engage with diagrams for effective problem-solving and maintenance.

Kohler Wiring Diagram

Kohler Wiring Diagram: Demystifying Your Plumbing Fixture's Electrical System

Are you staring at a tangled mess of wires behind your Kohler sink, shower, or toilet, feeling utterly lost and overwhelmed? Frustrated with flickering lights, non-functional features, or the constant fear of electrical shock? You're not alone. Many Kohler fixture owners struggle to understand their complex wiring systems, leading to costly repairs, inconvenient downtime, and even safety hazards.

This eBook cuts through the confusion, providing you with the knowledge and tools to confidently navigate your Kohler plumbing fixture's electrical circuitry.

This comprehensive guide, "Mastering Kohler Wiring Diagrams: A Step-by-Step Approach," offers clear, concise explanations and detailed diagrams to help you:

Understand the Basics: Learn fundamental electrical concepts and safety precautions crucial for working with Kohler fixtures.

Decipher Kohler Diagrams: Master interpreting Kohler's wiring schematics and symbols.

Troubleshooting Common Problems: Identify and solve typical electrical issues with your Kohler products.

Wiring Specific Kohler Fixtures: Receive detailed wiring instructions for various models, including sinks, showers, toilets, and more.

Preventative Maintenance: Discover simple steps to extend the life and reliability of your Kohler fixture's electrical system.

Safety First: Understand crucial safety measures to prevent electrical shocks and ensure safe operation.

Mastering Kohler Wiring Diagrams: A Step-by-Step Approach

Introduction: Navigating the World of Kohler Electrical Systems

Understanding your Kohler plumbing fixture's electrical system is crucial for its proper functioning, longevity, and most importantly, your safety. This guide will equip you with the knowledge and confidence to troubleshoot problems, perform basic maintenance, and even complete minor repairs. We'll break down complex wiring diagrams into easily digestible segments, focusing on practical application and safety. Remember, always disconnect power before working with any electrical system. If you're uncomfortable working with electricity, consult a qualified electrician.

Chapter 1: Fundamental Electrical Concepts and Safety Precautions

Before diving into specific Kohler diagrams, it's essential to understand some basic electrical principles. This chapter covers key terms like voltage, amperage, grounding, and the importance of proper insulation. We'll explore common electrical hazards and detail safety procedures to follow when working with electrical systems, emphasizing the use of appropriate personal protective equipment (PPE), such as insulated tools and gloves. This section includes visual aids to reinforce understanding. We'll also cover the importance of turning off the power at the breaker box before

commencing any electrical work.

Key Concepts Covered:

Voltage (V): The electrical potential difference between two points.

Amperage (A): The rate of flow of electrical current.

Grounding: Protecting against electrical shocks by providing a path for stray current to flow safely to the earth.

Circuit Breakers: Safety devices that automatically interrupt the flow of electricity in case of an overload or short circuit.

Electrical Safety Regulations: Adhering to local and national safety codes for electrical work.

PPE (Personal Protective Equipment): The importance of wearing insulated tools, gloves, and eye protection.

Chapter 2: Deciphering Kohler Wiring Diagrams and Symbols

Kohler wiring diagrams use a standardized set of symbols to represent different components within the electrical system. This chapter is dedicated to understanding these symbols. We'll systematically decode common symbols like switches, lights, motors, transformers, and various connectors. We will provide examples of actual Kohler diagrams and walk through the process of interpreting them step by step. The goal is to transform seemingly complicated diagrams into understandable blueprints for your fixture.

Key Areas Covered:

Common Kohler Symbols: A comprehensive glossary of symbols with clear illustrations and explanations.

Interpreting Schematics: A step-by-step guide on reading and understanding Kohler wiring diagrams.

Color Coding: Understanding the color-coding system used in Kohler wiring.

Identifying Components: Learning to identify different components on the diagram and their roles within the system.

Troubleshooting with Diagrams: Using the diagram to identify potential problem areas and trace electrical paths.

Chapter 3: Troubleshooting Common Kohler Fixture Electrical Problems

This chapter focuses on diagnosing and solving common electrical issues encountered with Kohler plumbing fixtures. We'll explore problems such as non-functioning lights, faulty switches, intermittent power, and buzzing sounds. For each problem, we provide troubleshooting steps,

potential causes, and solutions, often referencing the relevant sections of the Kohler wiring diagram.

Common Problems Addressed:

Non-functioning lights: Checking bulbs, switches, and wiring connections.

Faulty switches: Identifying and replacing faulty switches safely.

Intermittent power: Checking for loose connections, faulty wiring, and circuit breaker issues.

Buzzing sounds: Identifying potential short circuits or loose wiring.

No Power to Fixture: Verifying power at the breaker box and checking connections.

Grounding Issues: Identifying and resolving grounding problems to prevent electric shocks.

Chapter 4: Wiring Specific Kohler Fixtures: A Practical Guide

This chapter provides detailed wiring instructions for several common Kohler fixtures, including sinks, showers, toilets, and faucets. Each section will include specific diagrams, step-by-step instructions, and important safety considerations. We'll cover both standard and specialized features often found in higher-end Kohler models. Remember that specific wiring configurations can vary depending on the model and year of manufacture, so always refer to your fixture's specific installation manual when available.

Fixtures Covered (Examples):

Kohler Bathroom Sinks with integrated lighting: Wiring diagrams and instructions for common sink models.

Kohler Shower Systems with multiple functions: Wiring diagrams and instructions for shower systems with multiple spray heads and controls.

Kohler Toilets with heated seats and nightlights: Wiring diagrams and instructions for these advanced toilet features.

Kohler Smart Faucets: Wiring and setup guides for smart faucets with touchless operation and temperature control.

Chapter 5: Preventative Maintenance and Extending the Life of Your Kohler Electrical System

Regular preventative maintenance can significantly extend the life of your Kohler fixture's electrical system and help prevent costly repairs. This chapter provides simple maintenance steps, including regularly inspecting wiring connections for looseness or damage, checking the condition of insulation, and ensuring proper grounding. We also address the importance of using appropriate cleaning agents to avoid damaging electrical components.

Maintenance Tips Covered:

Regular Inspection: Visual inspection of wires and connections for signs of wear or damage.

Cleaning: Safe cleaning methods for electrical components.

Tightening Connections: Checking and tightening all electrical connections.

Testing Circuit Breakers: Ensuring proper functioning of circuit breakers.

Replacing Damaged Components: Knowing when to replace damaged components to prevent electrical hazards.

Conclusion: Confidence in Your Kohler Electrical System

By mastering the information in this eBook, you'll gain the confidence to tackle many of the electrical challenges you might encounter with your Kohler fixtures. Remember to always prioritize safety and consult a qualified electrician if you're ever unsure about anything. This guide provides a solid foundation for understanding and maintaining your Kohler fixture's electrical system.

FAQs

1. What tools do I need to work with Kohler wiring diagrams? Basic tools include a voltage tester, wire strippers, screwdrivers, and pliers. Always use insulated tools.
2. Is it safe to work on Kohler fixture wiring myself? Only if you have the necessary electrical knowledge and are comfortable working with electricity. If not, contact a professional electrician.
3. Where can I find the wiring diagram for my specific Kohler fixture? The diagram is typically included in the fixture's installation manual or can often be found on Kohler's website.
4. What should I do if I encounter a problem I can't solve? Consult a qualified electrician.
5. How often should I perform preventative maintenance on my Kohler fixture's electrical system? At least once a year, or more frequently if you notice any issues.
6. What should I do if I experience an electrical shock while working on my Kohler fixture? Immediately disconnect the power and seek medical attention.
7. Can I use household cleaning supplies on the electrical components of my Kohler fixture? No, use only cleaning solutions specifically designed for electrical components to avoid damage.
8. What type of voltage do Kohler fixtures typically use? Kohler fixtures usually operate on standard

household voltage (120V in North America, 230V in some other regions). Always check the fixture's specifications.

9. My Kohler fixture is not working correctly, even after following the instructions in this guide; what should I do? It's best to contact Kohler customer service or a qualified electrician for further assistance.

Related Articles:

1. Kohler Bathroom Sink Wiring: A Detailed Guide: Covers the intricacies of wiring various Kohler bathroom sink models.
2. Troubleshooting Kohler Shower Valve Problems: Addresses common issues with Kohler shower valves and their electrical components.
3. Kohler Toilet Electrical Troubleshooting: Focuses on electrical problems specific to Kohler toilets, such as heated seats and nightlights.
4. Understanding Kohler Smart Faucet Wiring: Explains the unique wiring requirements of Kohler's smart faucets.
5. Kohler Fixture Grounding: Safety and Compliance: Explains grounding procedures for Kohler fixtures to ensure safety.
6. Interpreting Kohler's Electrical Symbols: A Comprehensive Guide: A detailed explanation of all Kohler electrical symbols.
7. Kohler Parts and Repair: Finding the Right Replacement: Guides readers on sourcing replacement parts for Kohler fixtures.
8. Kohler Warranty Information and Claims: Explains Kohler's warranty policies and how to make a claim.
9. DIY Kohler Fixture Repairs: What You Can and Can't Do: Clarifies which repairs are safe for DIY enthusiasts and which require professional assistance.

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kohler wiring diagram: Young House Love Sherry Petersik, John Petersik, 2015-07-14 This New York Times bestselling book is filled with hundreds of fun, deceptively simple, budget-friendly ideas for sprucing up your home. With two home renovations under their (tool) belts and millions of

hits per month on their blog YoungHouseLove.com, Sherry and John Petersik are home-improvement enthusiasts primed to pass on a slew of projects, tricks, and techniques to do-it-yourselfers of all levels. Packed with 243 tips and ideas—both classic and unexpected—and more than 400 photographs and illustrations, this is a book that readers will return to again and again for the creative projects and easy-to-follow instructions in the relatable voice the Petersiks are known for. Learn to trick out a thrift-store mirror, spice up plain old roller shades, hack your Ikea table to create three distinct looks, and so much more.

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kohler wiring diagram: *Printed Physics* Ludger Hovestadt, Vera Bühlmann, 2012-12-08 Edited by Ludger Hovestadt and Vera Bühlmann Applied Virtuality is a book series which is edited by Ludger Hovestadt, ITA Institute of Technology in Architecture, ETH Zürich, Switzerland and Vera Bühlmann, Technical University Vienna, Institute for Architectural Theory. Based on the thesis that technology changes character over time, the series aims and scopes are to reflect that change by describing and analyzing the most recent explorations and innovations in technology, as well as their implications for a more philosophically comprehensive understanding of technics in our contemporary symbolical, information saturated, climatic environments. The overall interest thereby is to (1) affirm the mightiness of the generic without embracing homogeneity as a necessary consequence, (2) to affirm calculation, computation and automatization without embracing the reduction of human intellect to mechanisation without arcane esprit, and (3) to oppose in principle the contemporary attitude that tends towards a certain “intellectual chicness” that seems to rather narcissistically celebrate itself in a strangely detached competition for “critical divination” of soon-to-be-expected cultural doom and decay. With the birth of abstract/symbolic/universal algebra in the late 19th century, many scholars associate a fundamental crisis that affects human culture at large. We owe all of our contemporary electric and information-based infrastructures for living to these developments in mathematics, and it is no coincidence that we tend to find the symptoms that point to the manifestation of this crisis in the changes this new form of technics imposes on the people who begin to rely on it. This crisis is classically conceived as a crisis of intuition (Hans Hahn, Edmund Husserl et cetera). But from a more appreciative stance towards the sheer unlikeliness and fantastic power of intellection which is at work everywhere in the reality of such media-ized living environments, we might just as well see in this characterization an anxious (even if all-too understandable) misconception of the critical developments we are experiencing. From this stance, the sheer prominence of this misconception today indicates what appears like a certain fatigue of thinking, perhaps an exhaustion-through-overwhelming of our collective power to imagine. We mean no offence by saying this. Let us illustrate more concretely: John Orton maintains in his book *Semiconductors and the Information Revolution: Magic Crystals That Made IT Happen*, that “as a human achievement,” semiconductors ought to “rank alongside the Beethoven Symphonies, Concord, Impressionism, medieval cathedrals and Burgundy wines and we should be equally proud of it” (2009, p. 2). Why is it, indeed, that this demand feels odd? Of course this lack of appreciating our current form of technics is owed partially to its abstractness and the degree of expertise it seems to demand from us. But has this not been the case for any of the abovementioned artifacts we all meanwhile hold as precious and dear? We hope to find the right dosage of irony and humor that seems so necessary for theorizing technics, arts, intellection in a manner that seeks to escape (1) the servile irresponsibility that attaches to programs of mechanization, as well as (2) the narrow-mindedness and missionary commitment that attaches to ideological doctrine and

programmatic. By celebrating moments of intellectual quickness, with our interest in theory and abstraction, we pursue a genuinely comparatistic approach. We regard artifacts as theoretical objects, constituted by the intelligible codes and symbolic grammaticality that give them consistency. But we don't see the reality of artifacts in the white spectrum of these codes and symbols; rather, we see their reality in that which is enciphered thereby. The ambitions of a comparatistic approach to theory strive towards an alphabetization and literacy of these codes.

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