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Please click here to register! PLC Simulator FREE.Ooooh, Ill try the software CD. Thanks in advance silva.foxxI am not sure if DriveTop itself has a manual, may be in the operating manual. This should be where you get it Click Drive technology then follow the yellow brick road. But I can not get it to download.Unfortunately my yellow brick road came to an abrupt stop at a yellow brick wall. The CDrom has no manual either. Regards silva.foxxI found DriveTop yesterday and downloaded it, it is funky, no help files at all but appears to be straightforward. I have no idea where I got it at though. According to the info there should be manuals on the CD. I got the operating manual so if you can not get it I can send it.If you find a manual, let me know. They havent exactly been good at documenting things the last few years, but it has gotten better lately.It is a bit much to get used to, but, the firmware is as important a question as the software.I got the operating manual so if you can not get it I can send it. Ive searched the DriveTop CD and tried the links. Thanks Ron. Regards silva.foxxRegards MarianIt will link in with drivetop. Drivetop will shortcut to the appropiate place help file for the screen you are on.Most of the DriveTop functions are available in SynTop, in a fashion. The DriveTop oscope function is much more flexible, for instance, but these are minor differences. The drive firmware is the key,.Bit tips appreciated 1BMozxnZ1zfBDC1x8Ge22VyASuBfYPUZvDYou can download here I have had quite a lot of experience with DrveTop, being ExIndramat. Simply doubleclick the downloaded file to install it.Marketing Communications Department. 225 Mittel Drive. Wood Dale, Illinois 60.191. PUBLICATION DSC 3 X SERVO AMPLIFTERS USER S MANUAL. UpdateStar Free and UpdateStar Premium come with the same installer. UpdateStar includes such as English, German, French, Italian, Hungarian, Russian and. You can choose your language settings from within the program.http://www.archipel-nautisme.com/fichiers/craftsman-router-owner-s-manual.xml

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Installing Drivers In Labview. We're currently in the Windows 10 era, so as you can imagine Drivetop isn't exactly cutting edge technology. But there were Drivetop software training sessions scheduled in Fall of 2016, so it's clear that some people are still using it. Needless to say, software that's nearly old enough to drive isn't going to be as easy as software freshly picked out of Silicon Valley. Here are a few things to know about Indramat Drivetop software. Getting a bandit copy of the software is dangerous. We saw plenty of options for downloading Drivetop and none of them looked legitimate. Even if you do find a good link, you still have to use the installer files on the Drivetop disks. If you don't have the disks, then a download won't do you any good. If connecting RS232 an IKB005 cable must be used for the Type3 DKCs, and an IKS0101 for a Type1. Connecting to a DKC02.3 is pointless, as the Sercos connection overwrites any instructions that you might send before they get acted on. While Drivetop will act like it will run with the opposing versions for instance, Dtop4 will connect up with a Type3 fine, you will not actually be able to see all the data or make changes to it. We have had companies not believe this, and after a full day of knocking their head against the wall, finally come back for the proper version. Do you really need a flat spot on the front of your head We're available 24 hours a day, seven days a week. Call 479 4220390 for immediate Indramat support. Hyperdyne Systems, Inc. Thank you ChristerI downloaded DriveTop16V14 from their site December of last year. Its 50MB. I cant tell for sure, but it may be that IndraWorks Ds 09V12 has replaced it. You can find that at Bosch Rexroth Electric Drives and

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Thank you very much for your help anyway, and i will also give IndraWorks a try. Regards ChristerDrive Top 4v05 to be used for ecodrive 1, Drivetop 16 to be used for Ecodrive 3. Indra Works DS to be used for Indradrive CS. Indraworks is not designed for older drives. StephanPlease send me your email via pn. StephanDaniel needs DriveTop 4v05 witch has never been avaiable for free. DriveTop 12 and higher can not connect to DKC01.1 Greetings StephanBut wich version I dont find any version on indramat website. Somebody can help me. Many thanks!Avaiable from Bosch Rexroth Website Software is German and English Greetings StephanI am trying to repurpose the drive and motor for a new fixture but cannot locate our copy of the drive top software.We still have the cable installed on the drive from the last time it was used. Motors, cable for these drives i can help. Please send me your email via pn. Stephan Ive tried it before but this software seems like doesnt support the firmware in my Ecodrive03. Any solutionEcodrive 01 need 4V05. The Software for ECODrive03 is avaiable for download at Bosch Rexroth Website. For 01 please send PN. Greetings StephanMy situation is, I have already installed DriveTop16v14. Then, I connect my desktop PCs rs232 port to EcoDrive03 rs232 port which is located in X2. When I am trying to detect the Ecodrive03, the software detects nothing. I found that this software doesnt support the firmware which is FWAECODR3FLP05VRSMS. What should I do nowTry Autobaut. You are right, your Firmware is not supported by Drivetop 16V14. I just check. But this doesnt explain why you can not connect. Drivetop need to connect first before can check Firmwaresupport. Either way your Speedsetting or cable is not correct. DKC21.3 is a special Drive developed for limited Customers only. Thats y the Firmware is not in the List. In earlyer Days they like to develope special Versions witch have special Software only for this customer.Does anyone could help me on that.

If someone could send me a CD with Drive Top Id really be thankful. Thanx Valdir BispoFor further information on cookies, please refer to our privacy policy. More infomations about the cookies and further configurations Agree. Learn more about cookies in our privacy policy. All rights are reserved in the event a patent is granted or a utility model is registered DIN 341. ENA VS, HE Validity The contents of this documentation and the availability of the product are subject to change. Outstanding performance data, an extensive range of functions as well as an excellent pricetoperformance ratio represent the salient features of this drive system. Product features in terms of the technical applications are o universal implementation o lower total costs o digital drive concept o highly dynamic operation o costeffective direct connection to the power connection o software travel limit switch o absolute or incremental position detection o absolute or incremental position output o integrated holding brake control o increased operating safety o adjustable error response o automatic parameter matching o easy startup operation 1.2 Overview of the functions The functions of the digital, intelligent drive system are differentiated primarily according to the interface of the higherlevel control. The fields of application for the ECODRIVE drive controllers vary accordingly. The drive controller DKC01.1 is used as a o servodrive with integrated position control o servodrive with analog speed interface and integrated actual position detection o servodrive with stepper interface.The positioning block is executed autonomously.The maximum allowable signal frequency fmax on the stepper interface limits the number of lines Zl which can be emulated. These safety instructions must be observed at all times. If the product is transferred to a thirdparty, the safety instructions must be included.

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Improper use of this equipment and noncompliance with the safety instructions provided can result in damage, personal injury or, in extreme cases, death. WARNING 2.1 General INDRAMAT GmbH is

not liable for any damages resulting from failure to observe the safety instructions in this document.Personnel is considered qualified if it has sufficient knowledge of the assembly, installation, and operation of the product as well as all warnings and precautionary measures in this documentation. Furthermore, personnel should be trained, instructed or authorized to switch electrical circuits on and off and to ground and mark them in accordance with the requirements of safety engineering. Personnel should possess adequate safety equipment and be trained in first aid.Coming into contact with components carrying voltages greater than 50 volts can be dangerous. Certain parts are under dangerous voltage when operating electrical devices. DANGER High Voltage. Covers provided with the equipment must be installed before operating the equipment to prevent contact with live parts. Protection against indirect contact must be ensured by other means, for example, by using an overcurrent protection device in accordance with relevant standards. Otherwise the housing may harbor high voltages. There are various causes of dangerous movements o faulty wiring or cable connections o operating the components improperly o defective measured value transmitters and primary detectors o defective components o errors in the software These errors can occur just after the equipment has been switched on or after an indefinite period of time. The monitors in the drive components virtually exclude failure in the connected drives. However, personnel safety requires that additional measures be taken to ensure correct operation. Faulty drive motions which are influenced by the type of control and the operating status cannot be entirely excluded until the installed monitors take effect.

These are provided by the plant manufacturer according to the specific conditions of the plant based on a danger and malfunction analysis. The safety regulations in effect for the plant are included herein. If the use of such equipment cannot be avoided, verify that the system and plant are in perfect working order in all working situations before initial operation. If necessary, the plant must undergo special EMC testing. Safe battery usage Batteries consist of reactive chemicals contained in a solid case. Improper use can therefore lead to injuries or equipment damage. Risk of injury due to improper handling. Environmental protection and disposal. The batteries contained in the product are considered hazardous material for land, sea, and air transport according to the legal regulations danger of explosion. Dispose used batteries separately from other waste.This means that it is always possible to order the identical firmware version. The firmware is updated constantly to eliminate any bugs without altering the functionality. It is identified on the type code as the firmware release version. If newer functions are added, the index of the firmware version is incremented see type codes. Example Type codes Item i. d. Firmware FW AECODRVASE02 V RSMS FW Class Product machine A Name of product Product ECODRIVE ECODRV Firmwaretype alphnumeric Parallel interface ASE FirmwareVersion 01.99 02 02 Firmware type Test version Standard T V Firmwarereleasestatus Update The status at the time of delivery. RS Language abbrev. see INN 09.04, sec. 1 Multilingual MS TL0202.fh5 Fig. 412 ECODRIVE firmware type code Production week Firmwaretype Part no. Serial interface X1 The serial interface is generally used for programming, parameterization and diagnoses during startup operation and service procedures. It can be alternatively operated as a RS 232 or RS 485.

RS232 interface The RS232 interface is needed for programming, parameterizing and diagnosis during startup operation and service procedures. It is also used when setting the drive addresses as a requirement for operations via RS485. Via the RS485 several DKCs can be put into operation with Drive Top without reconnecting the interface cable. The RS485 requires a terminator on both ends. Both the terminator integrated into the interface converter 180 Ohms and the pullup and pulldown resistors 470 Ohms each must be activated.Output current I max. 16 V 0V HIGH LOW U ext. 1V 80 mA out Rise and fall time Overload protection ca. If a PLC is connected, this can cause the control LEDs to respond. Danger of damage! RS422 compatible differential inputs min. It can be o released in the form of heat via the bleeder module or auxiliary bleeder integrated into the DKC or o stored as

energy in the DKC with a connected auxiliary capacitance module and reused for subsequent acceleration procedures. This reduces the power dissipated in the cabinet; energy consumption is lowered. Features o The power supplies contain an overvoltage safety switch with automatic shutdown. After the automatic shutdown device has responded, operation can be resumed by switching the power supply off and on again briefly.However, if you switch on and off again within a period of 10 s, the starting current limit may not work.If there is a voltage drop, the power supply will increase the output voltage accordingly. Fuse protector Q2 Interference suppression 7.2 INDRAMAT recommends a 10A automatic circuit breaker of 10 A with tripping characteristics for the DC24V NTM power supplies. Use the line filter NFE01.1250006 for interference suppression. Technical data Symbol Unit NTM01.1024002 NTM01.1024004 NTM01.1024006 A 2.1 3.8 5.5 POUT W 50 100 150 Input current at 230 115 V IIN A 0.61 1.2 1.2 2.2 1.9 3.2 Inrush current at 230 115 V in the mains supply lead when powering up. Make sure fuse has proper size.

Please see Chap. 8.4 for information on the line filter for interference suppression on the DC24V NTM power supply. Max. line power connection voltage of the 50.60 Hz UN Rated line current No. Notes on assembly Live parts greater than 50 V. Allow time for discharging. Ungrounded power supply lines To match the voltage for grounded power supply lines, always connect isolating transformers to prevent excess voltages between the outer conductor and ground. The output voltage of the transformer affects the drive data. When planning the control cabinet, it is necessary to take the technical data of the drive components into account. Power dissipation Power dissipation is determined by the current load and the continuous regenerative power. The actual power dissipation is dependent on the respective cycle load. The servomotor implemented has been laid out for this load cycle. On the average, the continuous current at standstill IdN will flow through the drive controller as a maximum value. Use the total PV,ges for planning the control cabinet. Risk of condensation Humid air enters the cabinet and, as it cools, condenses onto the installed drive components. Risk of condensation If the heatexchange unit is not properly installed in the control cabinet, accumulating condensed water can drip into the installed drive components or be sprayed into them by the cold air current. Avoiding condensation Proper use of the heatexchange units o W hen using heat heatexchange units, the cabinets must be well sealed so that moisture cannot form caused by humid outside air entering the cabinets.Otherwise, condensation may occur. For this reason, it is important that the heatexchange unit continues to operate when the system has been shut down to ensure that temperature within the control cabinet does not deviate from that of the drive components. Units on top of the cabinet require a special design.

Make sure that the control cabinet is constructed in such a way that the blower of the cooling unit cannot spray condensed water which may have collected, onto the drive components. Summary o Ensure that no condensed water can drip into the installed drive components.A singlephase power connection 1 x AC 230V is possible for small amounts of power. Only a fuse protector Q1, a line contactor K1, and normally a line filter are required in the power input line. Calculating the phase current at the power connection To be able to select a suitable line contactor and suitable power connection fuse protector, the phase current IN at the power connection must first be calculated. The apparent power S is used to determine the phase current IN at the power connection. Locate the apparent power in the selection table of the drive components, or calculate it according to formula Fig. 114. For several drive controllers, add the individual apparent power values. Fuse protector Q1 Fuse protection can be implemented using o an automatic circuit breaker power circuit breaker or o a power circuit breaker or o safety fuses. Select the line contactor according to the phase current at the power connection and the rated line voltage. Line contactor K1 The rated current of the line contactor must be 1.5 times higher than the actual phase current at the power connection. For a rated line voltage of 3 x 400 V, 50 Hz,, the line contactors listed in the selection table are recommended depending on the phase current IN. The types specified in the selection table are from the Siemens company and serve as examples. Similar products from other

manufacturers can also be used. The choice of the control and its efficiency depends on the range of functions and the efficiency of the entire plant or machine. Therefore, it is the manufacturers responsibility to make this choice. Standby signal contact The standby message is output over a relay contact make contact.

If the standby contact closes, the drive is then ready for input power. It is thus used as a condition for switching in the line contactor see Fig. 117. Note The contactor coil can cause excess voltages when switched off. The excess voltage can lead to premature failure of the standby contact. To attenuate the excess voltage, use an overvoltage limiter with diode combination. The use of varistors as a suppressor circuit is not permitted. Varistors decay and increase their blockingstate currents This can result in premature failure if the connected components and devices. The drive system components have a protective grounded housing. This makes protection against indirect contact possible by grounding. Personal computer PC The PC is needed for programming, parameterization and diagnostics during startup operation and service procedures. To connect a PC with a 25pin Dsubminiature connector, use cable type IKS102. For test purposes a speed setpoint must be input via the analog interface using a setpoint generator. The following figure illustrates a circuit proposal for a setpoint generator. Each drive component is packaged individually, or several drive components are placed together in a single package. Accessories are fastened to the unit. Packaging materials INDRAMAT will take packaging materials back free of charge. The customer is liable for return transport costs. Packaging labels The barcode label on the packaging identifies the components inside and the order number. Type of firmware Type of machine Consigment number Customer name Part number No.Machine serial no. BP0200.fh5 Fig. 131 Structure of the barcode label on the packa ging Accompanying documents An envelope containing a delivery notice in duplicate is attached to one of delivered packages. These are the only shipping documents provided unless special arrangements were made when the order was placed.

Either the delivery notice or the freight papers will list the total number of packages or transport containers included in the shipment. Identification of the components Each drive component is identified by a type designation. There is a rating plate on all pieces of equipment, including the motor. A label cable tag is wrapped around the readymade cable. The type designation and the cable length is indicated on the tag. The actual cable designation without connector can be found imprinted on the cable sheath. The accessories packed in bags are identified either by a printed label on the bags or by an additional enclosed slip. Shanghai Office Room 206 Shanghai Intern. Trade Centre 2200 Yanan Xi Lu Shanghai 200335 P.R. China Rexroth China Ldt. Room 903, Jeail Building 4435 YoidoDong YoungdeungpoKu Seoul, Korea Motorizacion y Diseo de Controles, S.A. de C.V. Av. This document is design to assists maintenance personnel in identifing errors with the machinery It should o help in understanding error messages o help in finding the causes of errors o describe the procedure for trouble shooting o simplify the process of establishing contact with the INDRAMAT Customer service department help you use this documentation Procedure for change This documentation is meant as a switch board panel supplement for the machine manufacturer. Violation of these stipulations will require compensation. The parameter P0001, diagnostic number; appears in hexadecimal form. The following graphic shows the order of priority. Error P R I O R I T Y Warning Command error Command active yes Ready to operate. The clear coded textdiagnostic message will be changed over from the language selection to the current language. After powering up, the drive compares the motor type stored in the parameters with the connected motor type. If the two do not match, the drive remains at this state.

By pressing the S1 button, the drive overwrites its stored parameters with the control loop parameters from the motor feedback. Cause Motor was exchanged. Cause Product was exchanged and the number of parameters of the new product has changed in regards to the old. In the DKC 01, this error can not occur because the input of the operating mode will be tested when entered.

Remedy Input correct operating mode F218 Heatsink Overtemperature Shutdown Description The temperature of the DKC heatsink will be monitored. If the temperature of the heatsink is too high, the drive will power down in order to protect against damage. Cause 1. Ambient temperature is too high. Remedy For 1. For 2. Remove any obstruction or dirt from the heatsink. For 3. Install the device vertically and clear a large enough area for proper heatsink ventilation. For 4. F219 Reduce the ambient temperature; for example, through cooling of the control cabinet. Exchange drive. Motor Overtemperature Shutdown Description The motor is too hot. The effective torque demanded from the motor was above its allowable continuous torque level for too long. 2. 22 The motor thermal connection is shorted or grounded. 3. Instability in the velocity loop. If the system has been in operation for a long time, check to see if the the operating conditions have changed. in regards to pollution, friction, moved components, etc. Check velocity loop parameters. Bleeder Overtemperature Shut Down Description The regenerated energy from the mechanism of the machine via the motor has exceeded the power capability of the bleeder resistor. By exceeding the maximum resistance energy, the drive will shutdown according to the set error reaction. Thereby protecting the bleeder from temperature damage. Cause The reflected energy from the machines mechanism over the motor is too large. May require installation of an additional bleeder module.

F226 Undervoltage Error Description The level of the DC bus voltage will be monitored by the drive controller. If the DC bus voltage falls below a minimal threshold, the drive independently shuts down according to the set error reaction. Cause 1. The power source has been interrupted without first switching off the drive enable signal RF. 2. Disturbance in the power supply Remedy For 1 Check the logic regarding the activation of the drive within the connected control. For 2 Check the power supply The error can be cleared by removing the control enable signal. The absolute position information is stored in the motor feedback. This memory has a battery powered backup for the electronic circuit. The battery is designed for a operating life of 10 years. If the battery voltage drops below 2.8 V, this message appears. The absolute encoder function is preserved for about 2 weeks. Instructions for Exchanging Batteries Have the following tools and accessories ready o Torx screwdriver,size 10 o Needle nose pliers, torque wrench o New packaged battery Part no. 257101 If the control voltage of the installed battery is turned off, the absolute position is lost. The absolute position must be reestablished through the process of the command Set Absolute Measurement. F262 Status Outputs Short Circuited Description If the status outputs of the DKC are short circuited, the drive controller will issue an error. When powered up, the absolute position given by the encoder is compared to the stored position. Check to see if the displayed position is correct in relation to the machine zero point. Reset subsequent errors. For 3. An accident may occur by accidental shaft movement. Check absolute position informartion. A feedback defect is present if the absolute position information is false. The motor should be exchanged and sent to the INDRAMAT Customer Service. The drive controller has been instructed to give an error when the travel range has been exceeded.

Exceeding the travel area as an error The drive controller brakes with maximum torque. After it has been stopped the drive controller shifts to torque free operation. After the error has been cleared, the drive can be once again activated and moved into the allowable travel area. The control drive has been instructed to give an error when the travel range has been exceeded. Exceeding the travel area as an error The drive brakes with maximum torque. Subsequently, the drive goes into moment free operation. After the error has been cleared, the drive can be activated again and moved into the allowable travel area. Cause One of the travel limit switches was tripped. Remedy 1. Move the travel limit switches, if necessary. 3. F822 Input a command value in the direction of the travel area. 2. Turn off the position limit monitor when displaying the position data in modulo format. Motor Encoder Failure Signal too Small Description The motor encoder signals are monitored. The drive becomes torquefree and an optional brake is immediately activated. Cause 1. Defective feedback cable. 2. Defective feedback. Remedy For 1. Check the feedback cable Lay the power cables

separate from the feedback cable. As a result, the drive will be immediately turned off. The drive has switched to a torquefree condition. An optional brake is immediately activated. Cause 1. Short circuit in the motor cable. 2. Defective power section of the drive controller. 3. The current regulator was incorrectly parameterized. Remedy For 1. For 2. Exchange drive controller. For 3. F870 Check the motor cable for a short. An optional brake is activated. Cause Disturbance or overload of the 24 V supply voltage. Measure control voltages.

Cause Voltage supply of the driver stage is too low Remedy Exchange drive controller F878 Velocity Loop Error Description The velocity loop monitor will appear when the following conditions occur simultaneously o The current command value is at the peak current limit o The difference between the actual velocity and the command velocity is larger than 10% of the maximum motor velocity.Remedy For 1. Check motor cable connection. For 2. Exchange drive controller. For 3. Exchange motor For 4. Check velocity controller to see if it is within operational parameters. Cause The load torque was smaller or larger than the torque command value for too long a time. This leads to an increase in the actual velocity up to the maximum possible motor velocity. Remedy Check the primary control loop. This error message is created when synchronization occurs improperly. Cause 1. The synchronization of the resolver controller voltage is invalid in regards to the software. 2. The error can be produced through an electrical discharge. Remedy For 1. For 2. 210 Exchange drive controller and return for testing. Power down and then on. If this in not successful; exchange drive controller. Within a time frame of 30 seconds, the drive follows the command value input. Remedy For 1. For 2. Install climitization feature to the cabinet. For 3. E251 If the blower fails exchange the drive controller. Check the dimensions of the control cabinet. Motor Overtemperature Warning Description The motor is too hot. Within in a time frame of 30 seconds, the drive follows the command value input. Cause The motor became overloaded. The effective torque required of the motor was above the allowable standstill continuous torque for too long. Remedy Check the installation of the motor. For systems which have been in use for a long time, check to see if the drive conditions have changed in regards to pollution, friction, components which have been moved, etc.

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