FAQ COMBIVIS studio HMI

KEB DIN 66019II FAQ No.0008

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Content

KEB Automation KG
Südstraße 38
32683 Barntrup, Germany
E-mail: info@keb.de
Tel. +49 5263 401-0
Fax +49 5263 401-116
www.keb.de

District Court Lemgo HRA 5649
DUNS-No. 314108728
VAT-No. DE309087075
Bank Details: Sparkasse Paderborn-Detmold
IBAN DE 19 4765 0130 0000 0060 07
BIC WELADE3L

General Partner:
Vittorio Tavella
KEB Verwaltungs-GmbH, Barntrup
District Court: Lemgo HRB 8965
Directors: Curt Bauer CMO,
Ralf Lutter COO, Vittorio Tavella CFO,
Wolfgang Wiele CTO

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Introduction

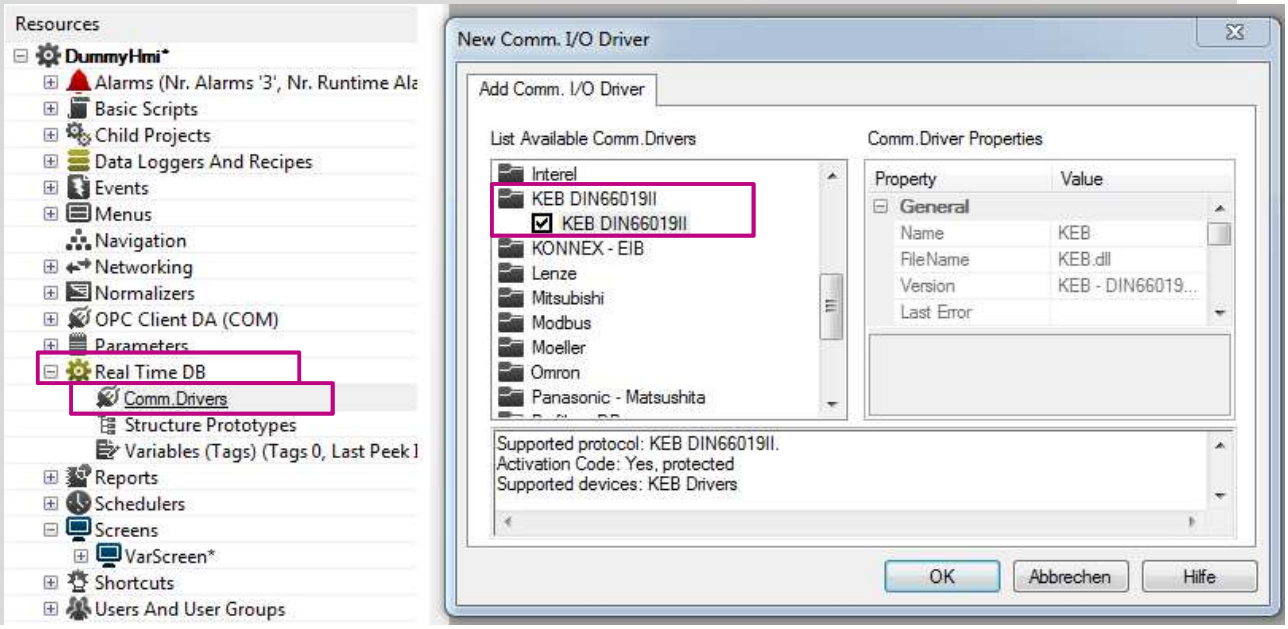
This document describes the settings of the HMI KEB DIN 66019II driver to create a communication between a C6 HMI/Router and a KEB Ethernet/Serial device.

Note:
To build up a communication between an Ethernet F5 Operator and a C6 HMI/Router/IPC you need a switch between the devices.

KEB DIN 66019II Driver Settings

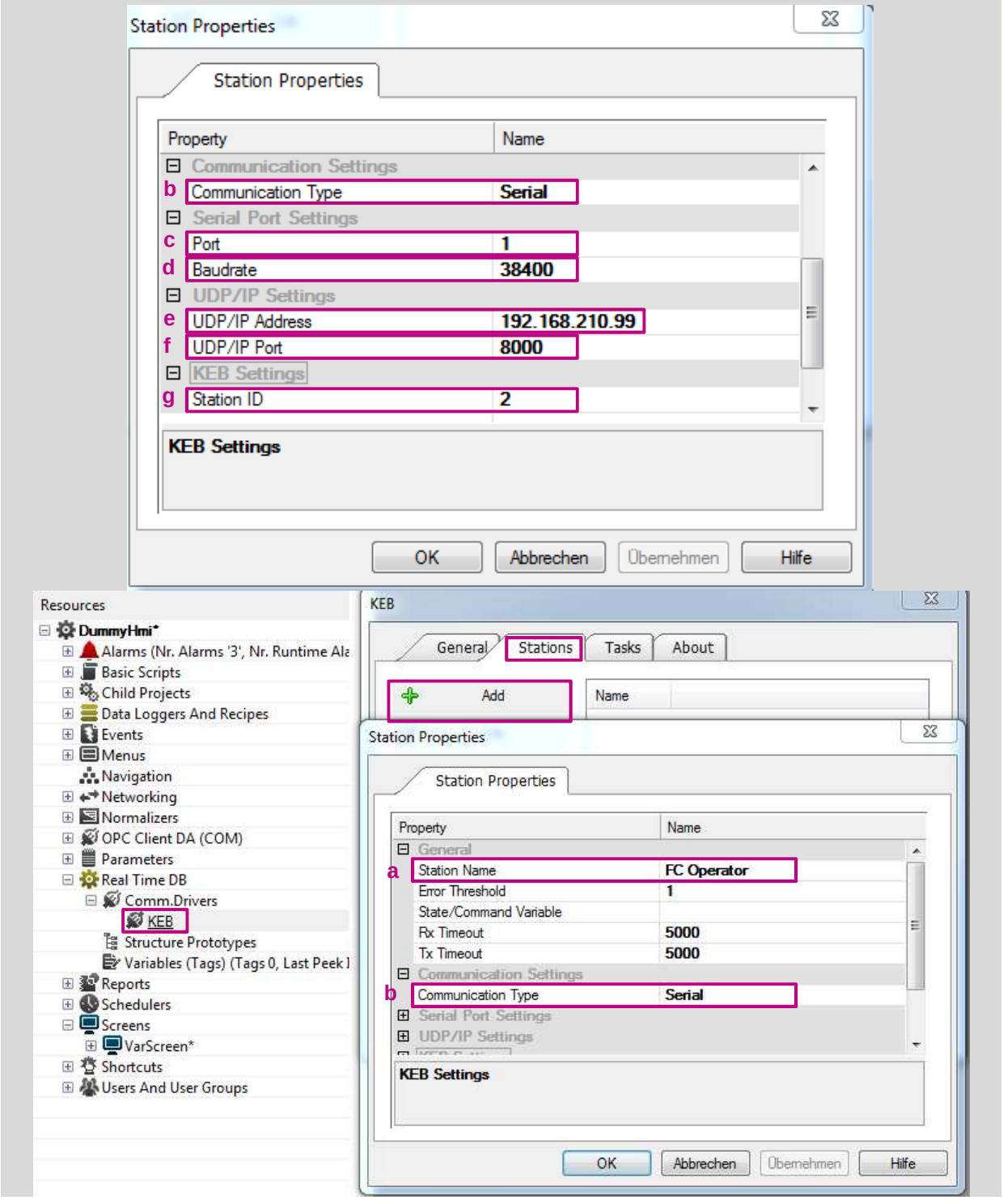
1. Add the KEB DIN 66019II driver to the HMI project.

Real Time DB > Comm. Drivers > KEB DIN66019II



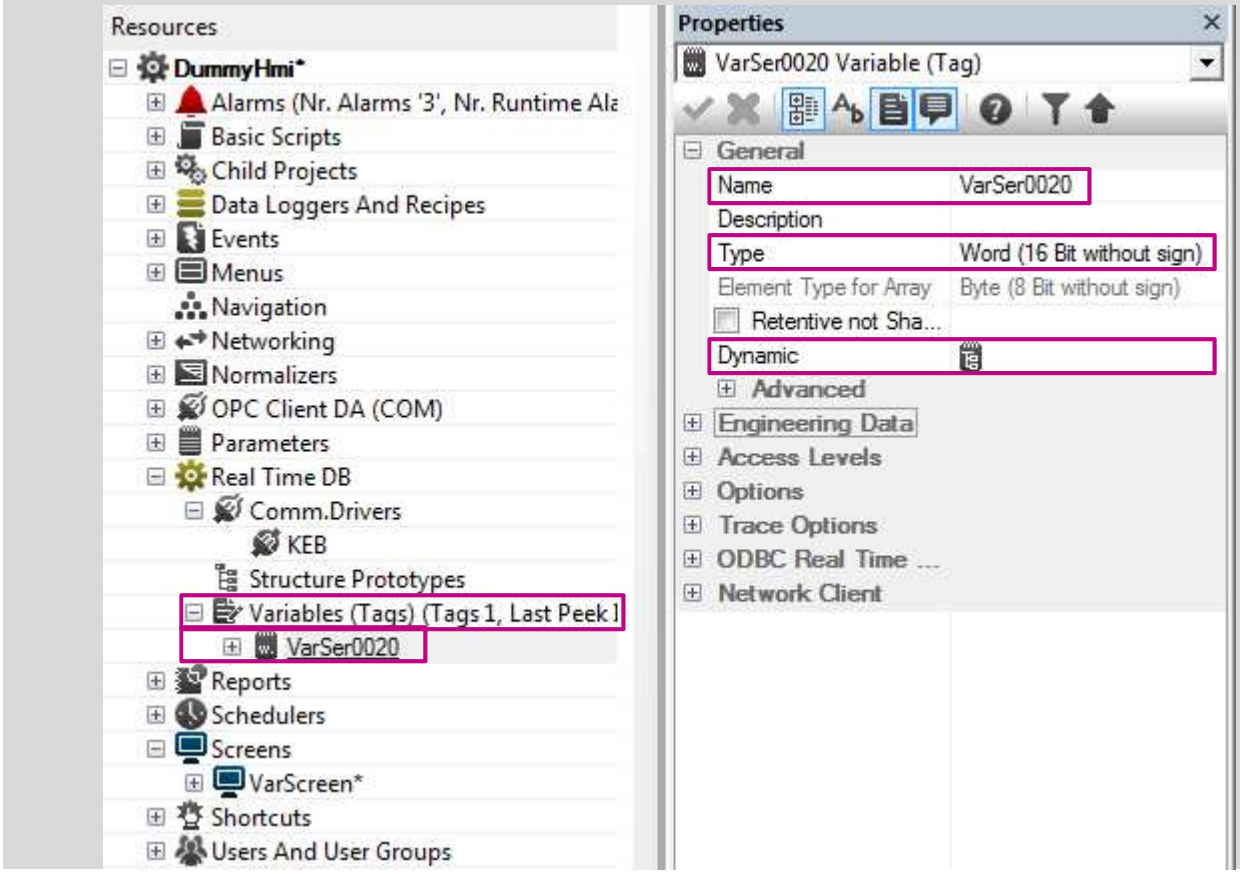
2. Add a station to the driver. Following settings are necessary:
    a. **Station Name**: The internal name of the station
    b. **Communication Type**: Serial or UDP/IP
    c. **Port**: Serial COM-Port-Number
    d. **Baudrate**: Baudrate of the Device
    e. **UDP/IP Address**: IP-address of the device
    f. **UDP/IP Port**: Port 8000 for KEB operators, 8001 for KEB PLCs
    g. **Station ID**: Serial Node ID or 0 for UDP/IP

Real Time DB > Comm. Drivers > KEB > Stations > Add



3. Add a new variable, choose the needed type and link it dynamically to the driver.

Real Time DB > Variables



4. Following settings have to be changed at the dynamic communication driver:

   h. **Station**: Name of the internal station(from step 2)
   i. **Type**: Defines the read- and write- level.
   j. **Service Number**: For **Service 0**, the Set number (d) corresponds to an 8 bit mask and specify which sets are involved in the related operation. For example, the value 7 means 3 bits set to TRUE: Set 0, Set 1 and Set 2.

   When the task type involves reading operations (input) only ONE bit in the mask can be set. If there are more bits set the operation won´t be finished successfully.

   When using task type involving only write operations (output) then the mask can contain more as one bit set to TRUE.

   The value of the parameter has to be provided in **hexadecimal** format.

   For **Service 1**, the Set number (d) can assume only 2 values (0 and 1) and specifies which is the destination set of the read/write operation.

If **Set = 0**, the value is read/written into the currently active set. The active set can be modified by the dedicated parameter of the inverter (**fr.04**, only in F5 inverter).

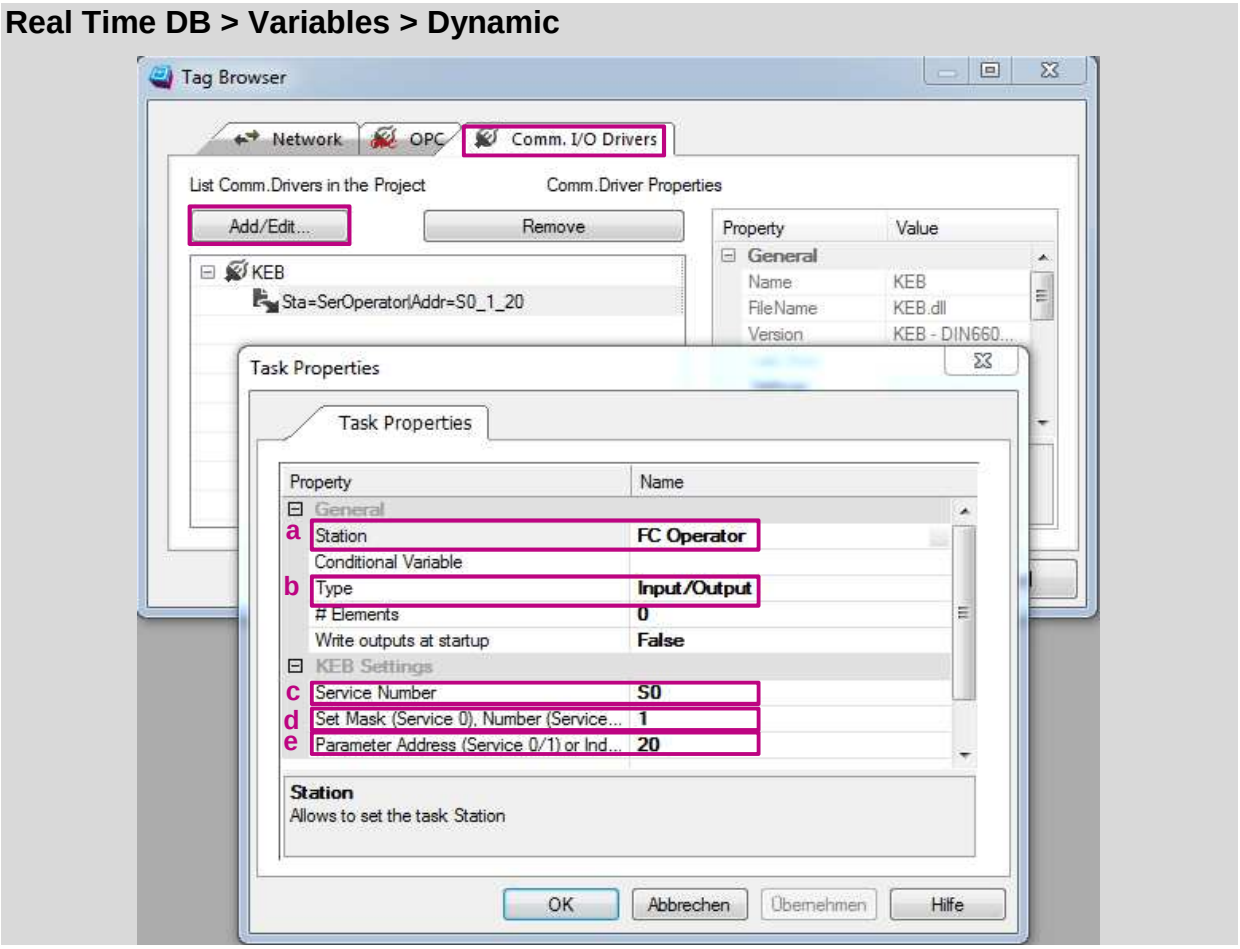
If **Set = 1**, the value is read/written into the set specified by the parameter **fr.09** (only in F5 inverter) of the inverter (indirect addressing).

For **Service 14**, the Set number (d) combines with the Address to format a CANopen compatible addressing for the inverter parameters according to the following table.

	KEB specific parameters (Manufacturer area)	**Communication Profile Area or Device Pofile Area**
Set	SubIndex CANopen compatible = 0	Index CANopen
Address	KEB parameter Address + 2000h	SubIndex CANopen

e. **Parameter Address**: For Service 0 and 1, the parameter address matches the KEB parameter address in hexadecimal. For service 14 see previous table.

Real Time DB > Variables > Dynamic



5. Now the variable is linked to the driver and can be used in the HMI project

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KEB Automation KG
Südstraße 38 • D-32683 Barntrup
fon: +49 5263 401-0 • fax: +49 5263 401-116
net: www.keb.de • mail: info@keb.de