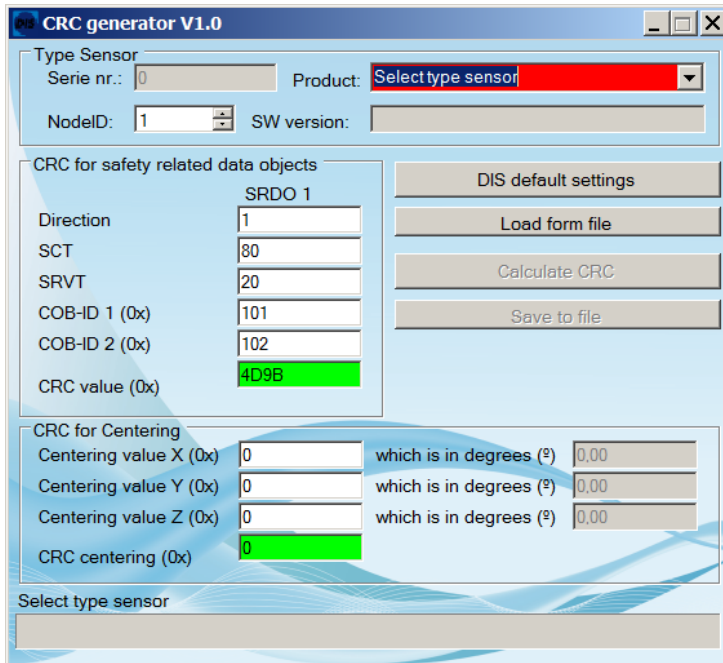


## CRC generator program for CANopen Safety sensors

### V 0.1

- Download setup program for CRC generator: "setup CRC.exe"
- Install program, run program, result:



**CRC generator V1.0**

Type Sensor:  Serie nr.:  Product: **Select type sensor**

NodeID:  SW version:

CRC for safety related data objects

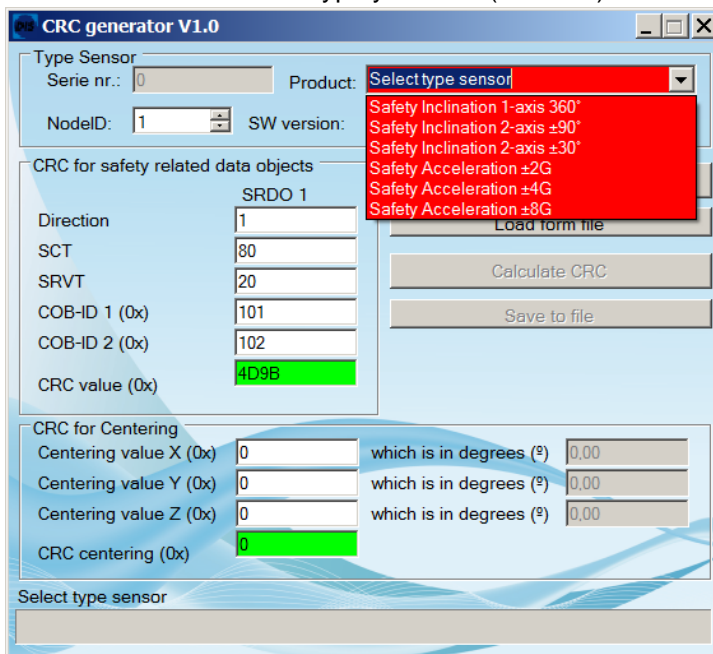
SRDO 1	
Direction	<input type="text" value="1"/>
SCT	<input type="text" value="80"/>
SRVT	<input type="text" value="20"/>
COB-ID 1 (0x)	<input type="text" value="101"/>
COB-ID 2 (0x)	<input type="text" value="102"/>
CRC value (0x)	<input type="text" value="4D9B"/>

CRC for Centering

Centering value X (0x)	<input type="text" value="0"/>	which is in degrees (°)	<input type="text" value="0,00"/>
Centering value Y (0x)	<input type="text" value="0"/>	which is in degrees (°)	<input type="text" value="0,00"/>
Centering value Z (0x)	<input type="text" value="0"/>	which is in degrees (°)	<input type="text" value="0,00"/>
CRC centering (0x)	<input type="text" value="0"/>		

Select type sensor

- Select the sensor type you have (red area)



**CRC generator V1.0**

Type Sensor:  Serie nr.:  Product: **Select type sensor**

NodeID:  SW version:

CRC for safety related data objects

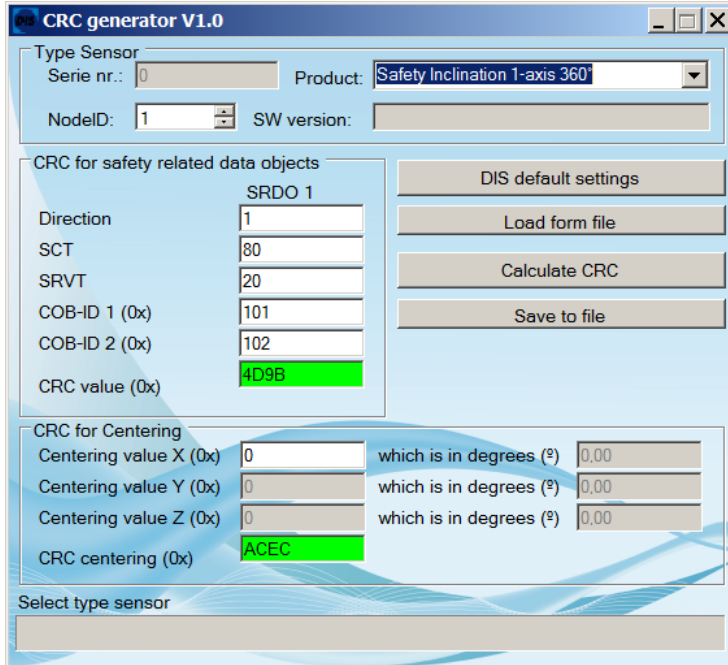
SRDO 1	
Direction	<input type="text" value="1"/>
SCT	<input type="text" value="80"/>
SRVT	<input type="text" value="20"/>
COB-ID 1 (0x)	<input type="text" value="101"/>
COB-ID 2 (0x)	<input type="text" value="102"/>
CRC value (0x)	<input type="text" value="4D9B"/>

CRC for Centering

Centering value X (0x)	<input type="text" value="0"/>	which is in degrees (°)	<input type="text" value="0,00"/>
Centering value Y (0x)	<input type="text" value="0"/>	which is in degrees (°)	<input type="text" value="0,00"/>
Centering value Z (0x)	<input type="text" value="0"/>	which is in degrees (°)	<input type="text" value="0,00"/>
CRC centering (0x)	<input type="text" value="0"/>		

Select type sensor

- Example of 1-axis 360° selected sensor:



The screenshot shows the 'CRC generator V1.0' software interface. It features a 'Type Sensor' section with fields for 'Serie nr.: 0', 'Product: Safety Inclination 1-axis 360°', 'ModelID: 1', and 'SW version:'. Below this is the 'CRC for safety related data objects' section, which includes a table for 'SRDO 1' with fields for 'Direction' (1), 'SCT' (80), 'SRVT' (20), 'COB-ID 1 (0x)' (101), 'COB-ID 2 (0x)' (102), and 'CRC value (0x)' (4D9B). To the right of this table are buttons for 'DIS default settings', 'Load form file', 'Calculate CRC', and 'Save to file'. The 'CRC for Centering' section has fields for 'Centering value X (0x)', 'Centering value Y (0x)', and 'Centering value Z (0x)', each with a 'which is in degrees (°)' field set to 0,00. The 'CRC centering (0x)' field shows the value ACEC. At the bottom, there is a 'Select type sensor' dropdown menu.

- While changing SCT, SRVT or COB-ID's the CRC value is calculated immediately (top green field). This new CRC value should be written to the sensor, see CAN manual.
- After a centering action in the sensor the centering value should be read out the sensor. This value should be typed into the proper field in the 'CRC for centering' area. The new CRC value is calculated immediately (bottom green field). This new CRC value should be written to the sensor, see CAN manual.