

Installation Guide

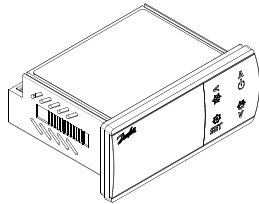
# EKA 183A for ERC21X Controllers Programming guide



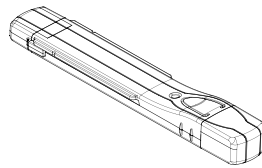
520H10512

520H10512

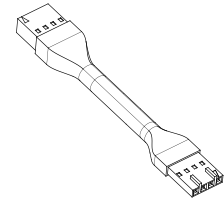
**Components:**



ERC 21x Controller  
Prototype number: **080X4000**  
Pack Contents: EKA 183A, Interface cable, Instruction sheet



EKA 183A

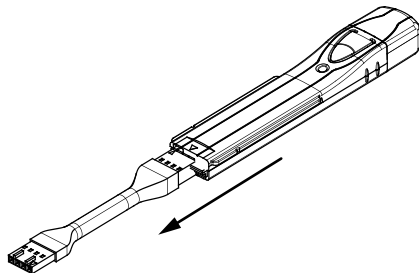


Interface cable

**Instruction for connecting to controller:**

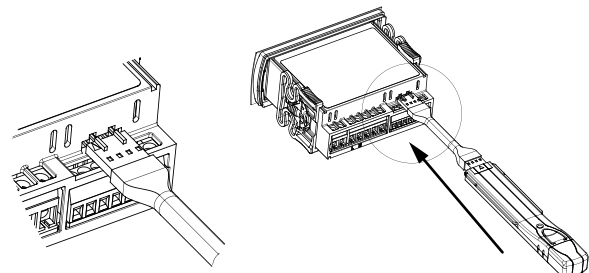
**Step 1**

Connect EKA 183A to Interface cable

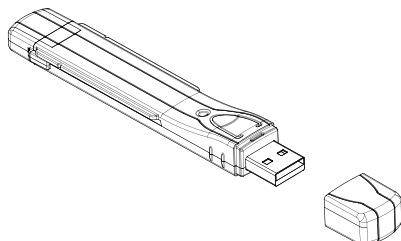


**Step 2**

Connect the other end of the interface cable to the controller



**PC settings:**

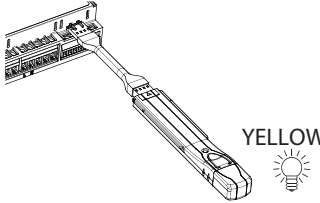
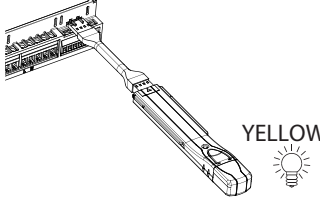
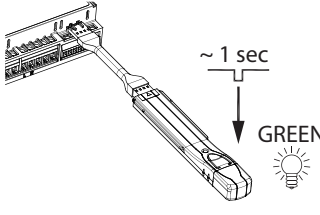
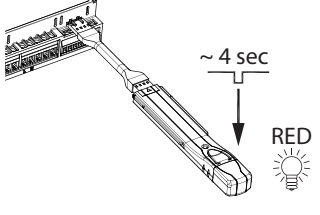
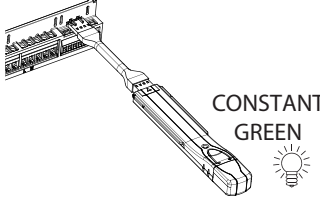


Refer to the specific documentation (DKRCC.PD.R1.06.02) for further details

*This instruction sheet is meant exclusively for Prototype variant of Programming key for ERC 21X (FG 080X4000)*

### Programming the controller:

EKA 183A is inserted into the controller through the interface cable.  
The controller is connected to the electricity mains.

Steps	Illustration	Observations and actions
<b>1- flashes</b> (checking)		The LED will flash YELLOW when the programming key is inserted into the controller indicating the established connection and data transfer possibility.
<b>2 - light up constant</b> (await press)		Shortly afterwards, the LED constant light up YELLOW indicating readiness for data transfer.
<b>3 - to write to the controller or to write to the programming key</b>		- Pressing the button on the top of EKA (1 sec) will transfer data from the programming key to the controller (GREEN LED flashes)
		- Pressing the button on the top of EKA (4 sec) will transfer data from the controller to the programming key (RED LED flashes)
<b>4 - light up constant</b> (transfer finished)		The transfer has finished when the LED light up constant green Flashing red-green-red-green-red-green..... = fault. If there is a fault indication, please check code no., SW version and Error code. Refer to Technical brochure (DKRCC.PD.R1.06.02) for more details.

Note: refer to the specific documentation (DKRCC.PD.R1.06.02) for further details

### Data Transfer:

Two methods (Mode A or Mode B) can be selected for transferring data.

**Mode A:** is meant for transferring the data from EKA 183A to controller, as soon as its plugged to the controller pins, without a need for pressing the button on EKA 183A (step 3, as mentioned in above table is not applicable)

**Mode B:** the default mode is set as "Mode B". This is meant for copying and also writing back the copied data between EKA 183A and the controller. In this mode, the user has to press the button as in step 3 mentioned above.

Refer to specific documentation (DKRCC.PD.R1.06.02) for step by step process to change the Mode on EKA 183A.

This instruction sheet is meant exclusively for Prototype variant of 'Programming key for ERC 21X (FG 080X4000)