GB

TIMERBUTTON3

VEX100
RANGE
CROSS FLOW
HEAT EXCHANGER

Original instructions

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1. Product information

1.1 How TIMERBUTTON3 works

1.1.1 Delivery

These items are included in the packaging (TIMERBUTTON3):

- LK FUGA Low current pressure 2 end w. 1 LED Red
- FUGA Baseline 50 frame
- FUGA base Baseline
- FUGA underlay screw insert
- FUGA-CE60 frame 1 module
- FUGA-CE60 adapter frame 1 module
- Surface mounted housing 1M

Conditions:

- MIO2 module with firmware: V. 1.1.0.0 or later version
- HMI2-350-Touch firmware: V. 4.2.0.0 or higher version
- EXact2 firmware: V. 3.13.0.0 or later version

1.1.2 Function

TIMERBUTTON3 can be used together with EXact2 in two different ways:

Start/stop of VEX: By pressing the timer button, the VEX will start in the operating mode set in the menu.

- When the set time on TIMERBUTTON3 has elapsed, the VEX will stop.
- The VEX can always be stopped by repeatedly pressing the timer button.

To switch between current operating mode and Comfort level:

- Pressing the timer button will switch the VEX to Comfort Level.
- When the set time on TIMERBUTTON3 has elapsed, the VEX will return to its original operating settings.
- A return to these settings can always be achieved by pressing the button.

1.1.3 HMI panel

There is a dedicated menu for selecting the desired functions related to TIMERBUTTON3. See more about these settings in the EXact2 HMI2-350-Touch basic guidelines, section 3.4 – Accessories.

2. Installation

2.1 Layout and settings

The timer function activates a preset timer for the unit via a connection to MIO2* and EXact2**, either in the form of an ON period or a Comfort period. TIMERBUTTON3 must be connected to EXact2 via the MIO2 module.

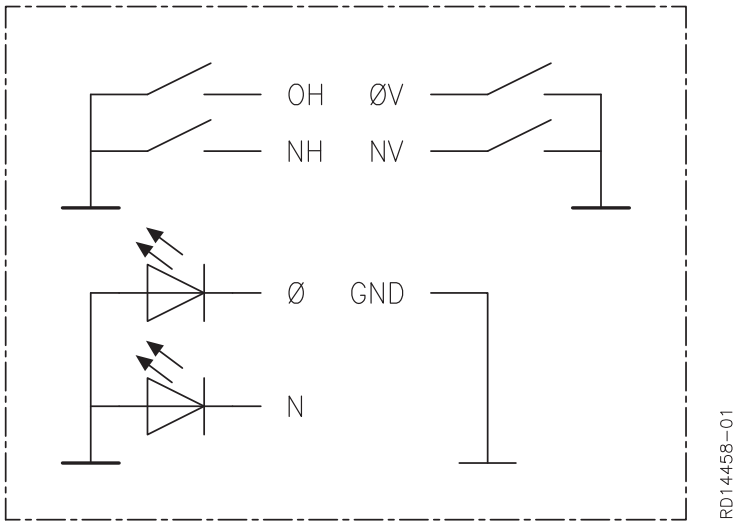
**MIO2: Modbus Input/Output Interface Board for AHUC (EXact2).*
***EXact2: The primary AHUC (plant control unit).*

2.1.1 Connection

The timer pressure must be connected to the following 3 wires:

1. Base frame (GND)
2. LED (Ø)
3. Pressure (OH+ØV)

These 3 functions are connected to MIO2 (see MIO2 manual, section 1.3 – table A). In order for both the right and left buttons to activate the timer, a lead wire must be added that connects terminals ØH and ØV.



2.1.2 Activation of timer

The timer function is activated by pressing the LK FUGA Low Current push button. NB that the button must be held down (1.5 seconds) until the LED lights up red in order for the timer function to take effect. When the timer function is active, the relevant LED will light up red. To deactivate the timer function before the set time has elapsed, press the button again.

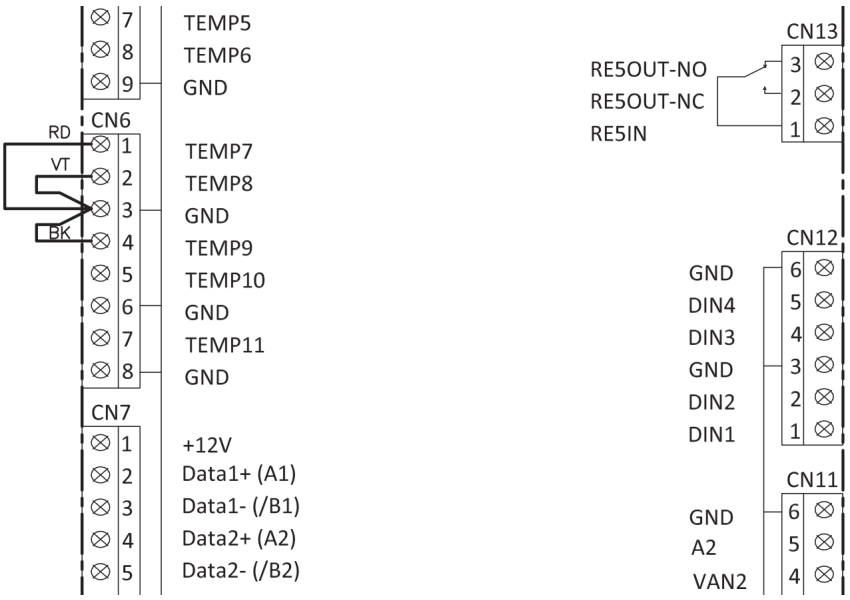
NB that the button must be held down (1.5 seconds) until the LED goes out to cancel the function.

2.1.3 MIO2 configuration

Jumper programming (normal operation):
Time periods for ON and comfort functions can be programmed ON MIO2 through specific jumpers ON selected inputs. See diagram below. The timer function can be programmed in the following ways.
NB that jumper 3–4 in **CN6 is not** fitted, as this is reserved for test function.

Jumper programming (test function):
MIO2 also has a test function where the jumper programmed times can be changed according to testing purposes.
Test function can be accessed by programming the MIO2 module in the following ways.
NB that 3–4 in **CN6 are** fitted to activate the test function.

Configuration	Time	Jumper in CN6		
Normal function		1–3 (RD)	2–3 (VT)	3–4 (BK)
	30m			
	1h	X		
	1.5h		X	
	2h	X	X	
Test function	3s			X
	6s	X		X
	12s		X	X
	24s	X	X	X



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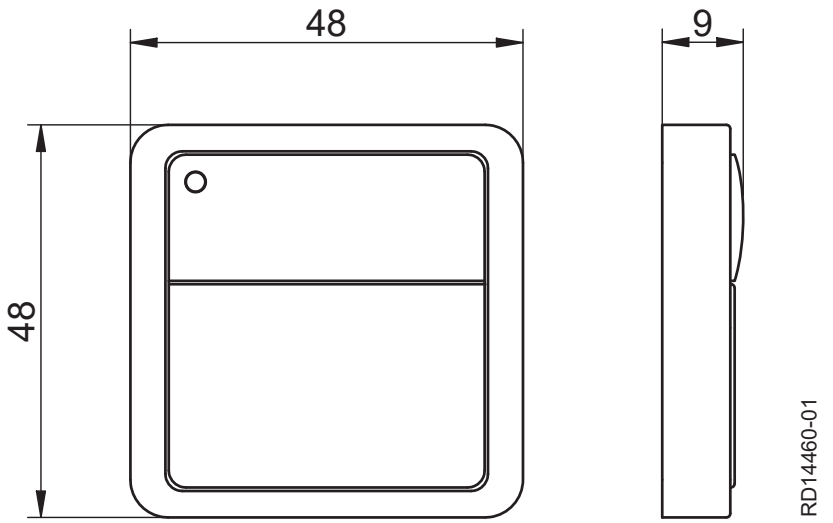
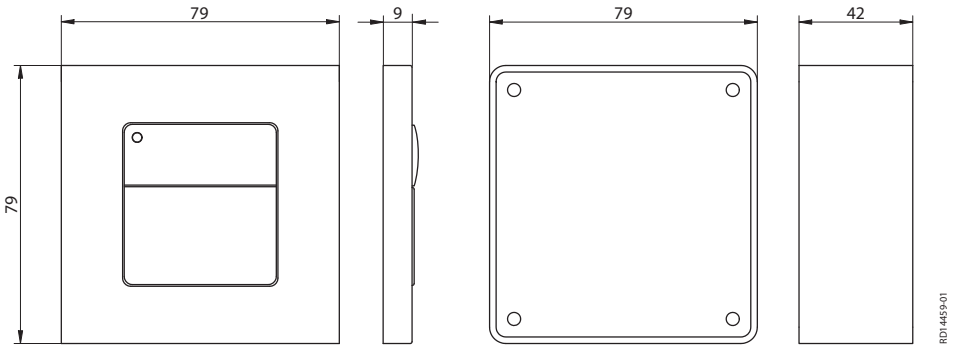
3. Dimensional drawings

3.1 Dimensions

3.1.1 TIMERBUTTON3



3.1.2 TIMERBUTTON3 (EU)

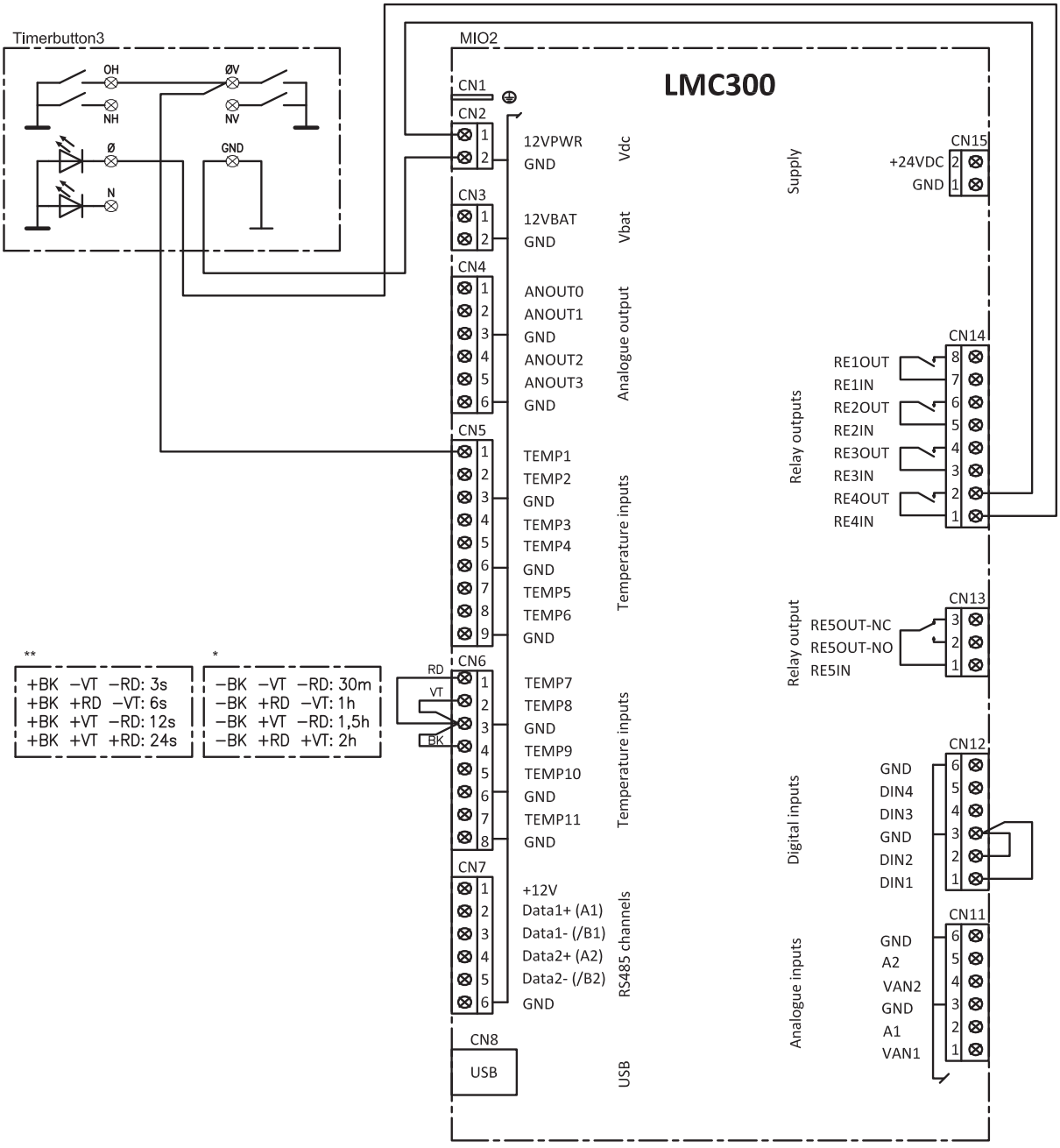


4. Electrical connections

4.1 Electrical connections

4.1.1 Connection via MIO2 module:

Diagram A



*: Normal function

**: Test function

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5. Technical data

5.1 Technical specification

Enclosure class	IP20
Switch voltage	5-24 V
Switch current	1–50mA Resistive load
Switch resistance	Max. 100 mOhm
Switch life	300,000 connections at max. load
LED:	1 mA at 24V DC Operating voltage range: 20–28V DC

Scan code and go to addresses at
www.exhausto.com

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