DIGITAL OVERLOAD CONTACTOR

KON-TER-12/18/25/32 ENG

General

This overload devices are designed to prevent the loads getting harm from high currents and ability of control at the same time.

Usage of Device and Working Principle

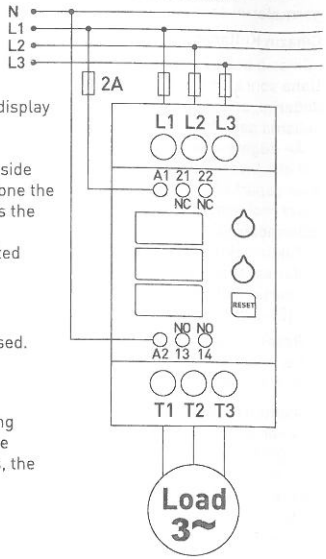
Please make the connection according to the diagram.
Otherwise device energise the device. When the device is energised it shows "High current set value" on top display, "Number of using contacts" (on and off) on mid display and "Hours worked" (when the relay is switched on) on bottom display.

When the devices is energised you can make adjustment of overload by "A>" button. While you are making your adjustment with this button set value can be seen on the left side display. Delay time is able to be adjusted by "sec." button. When the adjusting is being done the values can be seen on the left side display. When the device is energised, the device runs the motor and output (Out) led gets on. Also NO (13-14) terminals are short-circuited and NC (21-22) terminals are open-circuited from the auxiliary contact terminals. If the existed current is higher than adjusted, it counts as long as its delay time and the device stops the motor, NO (13-14) terminals are open-circuited, NC (21-22) terminals are short-circuited. Error (Err) led gets on, (Out) led gets off.

Reset: To reset the device when it has any kind of failure, reset button should be pressed.

Asymmetry: If there is more than 50% difference between the highest and lowest current passing on the phases, the device will enter asymmetry fault within 2 seconds. When the device enters the asymmetry error, the display group of the two phases causing the fault flashes and error LED is on. For asymmetry control, the current drawn from the system must be higher than the following values. If the current is less than these values, the device does not control asymmetry.
1A at KON-TER-12/18, 2.5A at KON-TER-25 and 3A at KON-TER-32.
The device has to be manually reset in order to exit from the asymmetry error.

Connection Diagram



Maintenance

Switch off the device and release from connections. Clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. Make sure device works after cleaning.

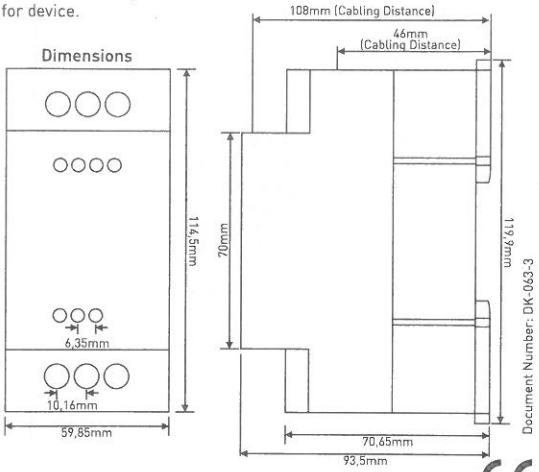
Warnings

Please use the device according to the manual.
Don't use the device in wet.
Include a switch and circuit breaker in the assembly.
Put the switch and circuit breaker nearby the device, operator can reach easily.
Mark the switch and circuit breaker as releasing connection for device.

Technicial Specifications

Operating Volt. (Un)...:	100V - 240V AC 50/60Hz.
Operating Frequency.:	50/60 Hz.
Operating Power.....:	<10VA
Operating Temp.....:	-20°C.....+55°C
Display.....:	3x3 digit display, 2x LEDs
H. Current(Overload):	1A - 12A (KON-TER-12) 1A - 18A (KON-TER-18) 1A - 25A (KON-TER-25) 1A - 32A (KON-TER-32)
Waiting (sec.).....:	0,1sec. - 10sec.
Asymmetry - Delay....:	%50(Fixed) - 2sec. Delay (Fixed)
Connection Type.....:	Terminal connection
Contacts.....:	3A / 250V AC (Resistive load)
Cable Diameter.....:	2.5mm² 6mm² (current inputs&outputs)
Weight.....:	Max. 380gr.
Mouting.....:	Assembled on the din rail.
Operating Altitude.....:	<2000m.

Dimensions



İletişim: www.tense.com.tr info@tense.com.tr

MADE IN TURKEY

Document Number: DK-063-3